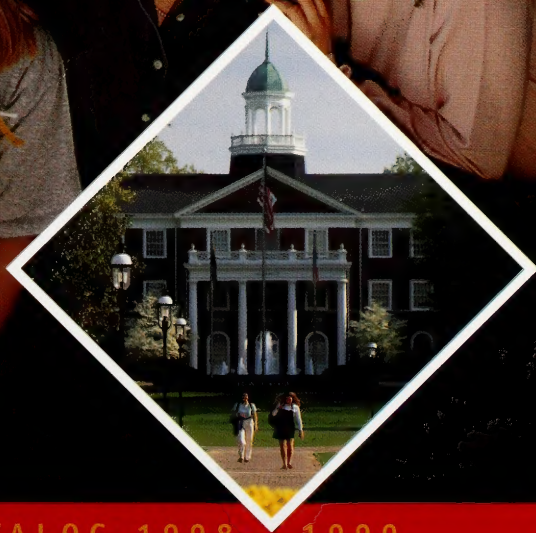





ELON



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Elon College *1998-1999*

Elon College
North Carolina 27244
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Elon College reserves the right to add or drop programs and courses, to institute new requirements when such changes are desirable, and to change the calendar that has been published. Every effort will be made to minimize the inconvenience such changes might create for students.

Contents

Communications			
with Elon College	3	Student Life	35
Calendar	4	Student Service	35
Introduction	5	Room Reservation and Security Deposits	36
The Mission of Elon College	5	New Student Orientation	37
History	6	The Student Government Association	37
Students	7	Judicial System	37
Faculty	7	Campus Safety and Police	37
Programs	7	Cultural Life	38
Academic Calendar	8	The Student Union Board	38
Accreditation	8	Moseley Center	39
Campus and Facilities	11	Religious Life	39
Location	11	Minority Affairs	39
Campus	11	African American Resource Room	39
Facilities	12	Leadership Development	40
Athletic Facilities	14	Service Learning	40
Support Facilities	15	Honor Societies	40
Visitor Information	17	Student Organizations and Activities	42
Travel Information	17	Communications Media	43
Academic Program	19	Who's Who	43
Degrees and Major Fields of Concentration ..	19	Campus Recreation	43
Minor Fields of Concentration	19	Intercollegiate Athletics	45
General Studies	20	Traditional Events	45
The Martha and Spencer Love		Admissions, Finances	
School of Business	21	and Financial Aid	47
Professional Programs	21	Application Procedures	47
Pre-professional Programs	21	Admission Requirements	47
Evening School	23	All Resident Students	48
Transitional Program	23	All Commuter Students	48
Free Peer Tutoring	23	Entrance Examinations	48
Writing Program	23	The Early Decision Plan	48
Elon 101	24	Transfer Admission	49
High School Credit Bank Program	24	Transfer Credit	49
Leaders for the Twenty-First		Special Students	49
Century Programs	24	International Students	50
Enrichment Programs	27	Acceptance on Condition	50
Study Abroad	28	Advanced Placement Examination	50
Independent Study and Research	29	College-Level Examination Program (CLEP) ..	51
Military	29	Department Examination	51
Career Services	30	Credit for Veterans	51
Academic Support Services	31	General Costs	51
		Costs Covered by Tuition	51
		The Meal Plan	52

Book Expenses	52	ASIAN/PACIFIC STUDIES	90
Room Change Charge	52	BIOLOGY AND ALLIED HEALTH	91
Expenses for the 1998-99 Academic Year	53	BUSINESS ADMINISTRATION	98
Refunds	55	CHEMISTRY	104
Financial Aid	57	COMMUNICATIONS	108
Payment Options	62	COMPUTING SCIENCES	109
Endowed Scholarships	62	COOPERATIVE EDUCATION	112
Leaders for the Twenty-First Century Scholarships	66	CRIMINAL JUSTICE	113
Presidential Scholarships	67	DANCE	114
Endowed Athletics Scholarships	67	DRAMA	116
Endowment and Sources of Income	68	ECONOMICS	117
2 General Academic		EDUCATION	120
Regulations	71	ENGLISH	130
Registration and Courses	71	ENVIRONMENTAL STUDIES	140
Classification	71	FINE ARTS	142
Course Load	71	FOREIGN LANGUAGES	143
Course Registration	71	GENERAL STUDIES	148
Auditing Courses	72	GEOGRAPHY	149
Changes in Class and Schedule	72	HEALTH, PHYSICAL EDUCATION AND LEISURE	150
Credit by Examination (Course Challenge)	72	HISTORY	162
Dropping Courses	72	HUMAN SERVICES	168
Independent Study	72	INDEPENDENT MAJOR	171
Undergraduate Research	73	INTERNATIONAL STUDIES	172
Overload	73	JOURNALISM AND COMMUNICATIONS	174
Pass/Fail Elective Courses	73	MATHEMATICS	181
Repeat Courses	73	MEDICAL TECHNOLOGY	186
Attendance	73	MILITARY SCIENCE	186
Absence From Tests and Examinations	74	MUSIC	189
Grades and Reports	74	MUSIC THEATRE	194
Grading System and Quality Points	74	NON-VIOLENCE STUDIES	196
Grade Point Average (GPA)	75	PHILOSOPHY	197
Grade Reports	75	PHYSICS	200
President's and Dean's Lists	75	POLITICAL SCIENCE	204
Graduation With Honors	75	PSYCHOLOGY	208
Access to Student Educational Records	76	PUBLIC ADMINISTRATION	211
Transcripts of Student Records	76	RELIGIOUS STUDIES	213
Work at Other Institutions	76	SCIENCE EDUCATION	216
Academic Standards and Withdrawal	76	SOCIAL SCIENCE	220
Academic Standing	76	SOCIOLOGY	221
Probation	76	THEATRE ARTS	227
Suspension	76	WOMEN'S STUDIES/GENDER STUDIES	230
Dismissal	77	Graduate Degree Requirements	233
Withdrawal	77	Degrees and Major Fields	233
Academic Regulations	79	Master of Business Administration (MBA)	233
Undergraduate Degree Requirements	79	Master of Education (M.Ed.)	234
Bachelor's Degree Requirements	80	Master of Physical Therapy (MPT)	237
The Major	81	Directory & Appendices	241
The Minor	82	Faculty, 1997-98	242
Courses	83	Visiting Faculty, 1997-98	256
ACCOUNTING AND FINANCE	83	Administrative Officers and Staff	256
AFRICAN/AFRICAN-AMERICAN STUDIES	86	Index	265
ART	87		

Communications with Elon College

3

This bulletin contains pertinent information about the college, its philosophy, programs, policies, regulations and course offerings. All students and prospective students are urged to read it carefully and completely. Please direct correspondence to the appropriate individuals, listed below:

President

- General information

Provost

- Administrative and student life policies
- Long-range plans

Vice President for Academic Affairs

- Academic program
- Academic work of students in college
- Faculty positions
- Special programs

Vice President and Dean of Admissions and Financial Planning

- Admissions
- Requests for undergraduate applications, catalogs or bulletins
- Scholarships, student loans and student employment

Director of Graduate and International Admissions

- Admissions
- Requests for applications, catalogs or other information

Vice President and Dean of Students

- Housing
- Student life

Vice President for Business and Finance

- Administrative services
- Payment of student accounts
- Inquiries concerning expenses

Vice President for Institutional Advancement

- Public relations
- Contributions, gifts or bequests
- Estate planning

Director of Career Services

- Career options for students and alumni
- Employment for students and alumni

Registrar

- Requests for transcripts
- Evaluation of transfer credits
- Student educational records

Director of Alumni and Parent Relations

- Alumni affairs
- Parent relations

Director of Academic Advising

- Course scheduling
- Academic counseling

Calendar

4

Fall Semester 1998

August 21 (Friday)	Orientation
August 22 (Saturday)	Orientation; Evening School Registration
August 24 (Monday)	Registration
August 25 (Tuesday)	Drop-Add Day
August 26 (Wednesday)	Classes Begin
September 1 (Tuesday)	Last Day for Late Registration
October 9 (Friday)	Mid-Semester Reports Due
October 9 (Friday)	Fall Break Begins at 2:20 p.m.
October 14 (Wednesday)	Fall Break Ends at 8:00 a.m.
October 19 (Monday)	Last Day for Dropping Course with "W"
October 26 (Monday)	Last Day to Remove Incomplete "I" and "NR" Grades
November 4 (Wednesday)	Preregistration Begins for Winter Term & Spring Semester 1999
November 24 (Tuesday)	Thanksgiving Holiday Begins Following Evening Classes
November 30 (Monday)	Thanksgiving Holiday Ends at 8:00 a.m.
December 4 (Friday)	Classes End
December 5-6 (Sat-Sun)	Reading Days
December 7-11 (Mon-Fri)	Examinations
December 15 (Tuesday)	Grades Due at 10:00 a.m.

Winter Term 1999

January 4 (Monday)	Registration
January 5 (Tuesday)	Classes Begin
January 6 (Wednesday)	Last Day for Late Registration
January 14 (Thursday)	Last Day for Dropping Course with "W"
January 18 (Monday)	Martin Luther King Jr. Holiday
January 25 (Monday)	Classes End
January 26 (Tuesday)	Examinations
January 27 (Wednesday)	Grades Due at 3:00 p.m.

Spring Semester 1999

February 1 (Monday)	Registration
February 2 (Tuesday)	Drop-Add Day
February 3 (Wednesday)	Classes Begin
February 9 (Tuesday)	Last Day for Late Registration
March 19 (Friday)	Mid-Semester Reports Due; Spring Break Begins at 2:20 p.m.
March 29 (Monday)	Spring Break Ends at 8:00 a.m.
March 30 (Tuesday)	Last Day for Dropping Course with "W"
April 8 (Thursday)	Last Day to Remove Incomplete "I" and "NR" Grades
April 12 (Monday)	Preregistration Begins for Summer and Fall 1999
May 11 (Tuesday)	Classes End
May 12 (Wednesday)	Reading Day (Evening Exams Begin)
May 13-18 (Thurs-Tues)	Examinations
May 19 (Wednesday)	Senior Grades Due By 9:00 a.m.
May 21 (Friday)	Grades Due at 10:00 a.m.
May 22 (Saturday)	Commencement; Last Day of School

Summer School 1999

Session One

June 1 (Tuesday)	Registration
June 2 (Wednesday)	Classes Begin
July 2 (Friday)	First Session Exams

Session Two

July 6 (Tuesday)	Registration
July 7 (Wednesday)	Classes Begin
July 28 (Wednesday)	Session Two Exams

Introduction

5

Elon College is a coeducational, residential, church-related college situated on a spacious campus in the heart of the Piedmont near Burlington, North Carolina. Named for the Hebrew word for "oak," the college is located in what was once an oak forest, and many of these majestic trees still grace Elon's campus.

The third largest of the 37 private colleges and universities in North Carolina, Elon offers a wide range of choices in academics and campus activities, yet is small enough to allow students to feel a sense of personal involvement and interaction with faculty members and fellow students.

The Mission of Elon College

Motivated by the beliefs and spiritual values that have grown out of its founding by the historic Christian Church, Elon offers men and women a liberal arts education that enriches them as human beings, prepares them for the choice of a profession and for service to their communities. Within this context, Elon College also offers selected career-oriented majors and graduate programs to facilitate professional development.

In accordance with the provisions of the charter, Elon College aims to provide its students the opportunity to develop:

- a personal philosophy of life which will be reflected in a sense of integrity, high ethical standards, and significant religious insights and practice;
- an understanding of their responsibilities and rights as citizens in a democratic society, and a recognition of the intrinsic worth of all individuals;
- an informed respect for the differences among cultures as well as an understanding of the interdependence of world conditions and of the need for individual and collective responsibility for the environment;
- a love of learning and sensitivity to aesthetic values sufficient to stimulate continued intellectual and cultural growth;
- the ability to gather information, to think critically, logically, and creatively, and to communicate effectively;
- a basic knowledge of the humanities, natural sciences and social sciences, and an appreciation of their interrelationships;
- a level of competence in at least one field of knowledge sufficient to provide depth of intellectual perspective and preparation for graduate study or professional activity;

- an understanding of the principles of mental and physical health essential for developing a lifestyle of wholeness and well-being;
- an appreciation of the potential for lifelong personal growth and professional development which their own distinct abilities and aptitudes provide.

In keeping with these educational objectives, Elon College recognizes its broader responsibilities as an institution of higher learning. The college supports scholarly and artistic expression by providing the conditions for serious intellectual work by both students and faculty. It furthermore promotes open and honest inquiry, respect for persons of all circumstances, sensitivity to diverse cultural traditions, an understanding of the economic environment, an appreciation for the value of work and habits of democratic citizenship. As participants in a community of learners, all members of the college are expected to enact the ideals of personal integrity and public responsibility.

6

History

Elon College was founded by the Christian Church (now United Church of Christ) in 1889. Two schools were forerunners of Elon College: The Graham College, established in 1851 in Graham, North Carolina; and the Suffolk Collegiate Institute, established in 1872 in Suffolk, Virginia. In 1888, the Southern Christian Convention, now a part of the United Church of Christ, voted to establish Elon College. Since its founding, seven presidents have provided the leadership essential for progress.

The site of the new college was known as Mill Point, located four miles west of Burlington, North Carolina. In its early years, Elon survived many difficulties. The student body population was severely reduced during World War I, and a major fire in 1923 destroyed most of the campus buildings. Within three years, a new campus emerged from the ruins: The five central buildings, including Alamance, were built at this time. The Great Depression and World War II also created challenges for the college.

The decades following World War II brought physical growth and academic development. As enrollment increased, new buildings went up and the college expanded beyond its brick walls. Students from half of the states in the Union, as well as from foreign countries, gave the college a regional complexion.

Elon experienced a decade of unprecedented growth during the 1980s. During this time, applications doubled and enrollment increased 35 percent, making Elon one of the fastest growing colleges in the region. Dozens of academic and student life programs were added to enrich the quality of an Elon education. Special classes and volunteer programs were developed to provide students with leadership and service opportunities. In fall 1984, the college began offering a master of business administration degree, in the fall 1986, a master of education degree and in the fall 1997, a master of physical therapy degree. The college physical plant grew during the 1980s as well. Total campus acreage doubled, and square footage of buildings increased 73 percent. The college also made major investments in computer and library technology and equipment for the sciences and communications.

During this time, financial support for the college was strong, with annual revenues increasing more than 200 percent. Counted among Elon's most loyal benefactors are the alumni: 39 percent make a gift to the college each year, placing Elon among the top of private colleges and universities in alumni participation.

Elon's forward momentum has continued in the 1990s. In an effort to further enhance teaching and academic excellence, the college has recently revised the General Studies curriculum, converted to a four semester-hour structure, initiated a masters program in physical therapy and added significant new facilities; Moseley Center, a new 74,000 square-foot campus center; Koury Center, a renovated physical education, athletic, recreation complex; a new 81,000 square-foot science building and a new 75,000 square-foot library to open in the fall of 1999.

7

As a result of Elon's accomplishments, Elon was ranked in the top quartile of southern regional colleges and universities in the 1997 *U.S. News and World Report's* "America's Best Colleges" guidebook.

Although there have been many changes through the years, Elon remains church-related rather than church controlled. It embraces general Christian principles and values as an appropriate foundation for the development of human personality and social order.

Students

From its initial enrollment of 108 students, Elon's student body has grown steadily. Elon's 3,533 undergraduate and 152 graduate students come from 41 states and 21 foreign countries. In 1997, 29 percent of Elon students were from North Carolina and 71 percent were from out-of-state. Slightly more than half of the students are women, and the student body includes several racial and socio-economic groups. Elon College admits students of any race, color, sex, national or ethnic origin and disability without discrimination. This diversity enriches the life of the community and reflects the nature of American society itself.

Faculty

Elon students benefit from a dedicated staff and an outstanding faculty whose primary concern is teaching. Faculty members have been chosen because of their academic preparation, individual initiative and commitment to excellence in teaching. Approximately 84 percent hold the highest degree in their fields. Many of Elon's faculty demonstrate their satisfaction with the college with long years of service. With a student to faculty ratio of 17:1, Elon chooses to remain small so that the relationship between faculty and students is friendly, informal and lasting.

Programs

Elon College believes that the study of liberal arts prepares students for rewarding, meaningful lives. Its programs are designed to challenge students to excel intellectually, to pursue self-fulfillment and to learn the meaning of service to others.

The academic program provides opportunities for each student to develop a mature proficiency in the use of the English language, an awareness of history and an appreciation of cultural, social and scientific achievements. The General Studies courses give students the breadth and background needed for mature intellectual development and a lifetime of learning and leadership. The upper-level courses allow students to concentrate in areas of special interest and in professional and career-oriented branches of learning. To meet such individual needs, the academic program includes such features as independent study, study abroad opportunities, internships and cooperative education.

8

Elon College complements the classroom through a broad range of activities and student life programs that encourage students to find their personal identities, refine their social skills, broaden their perspectives and create lifetime friendships.

Academic Calendar

The college's academic year is divided into a 4-1-4 calendar. The fall semester is a four-month term, ending before Christmas holidays, followed by a one-month winter term and a four-month spring semester. The one-month winter term offers opportunities for study abroad, internships and service programs in addition to specialized courses on campus. Evening classes are offered and a summer session is held each year.

The calendar is designed to meet the needs of: (1) full-time students who plan to complete degree requirements within four years, (2) part-time students, (3) high school seniors who wish to take one or two college-level courses, (4) members of the community who desire further educational work in day or evening classes, and (5) those who seek a graduate degree in business (MBA), education (M.Ed.) or physical therapy (MPT). Summer school serves the same groups and, in addition, provides an opportunity for new students or students enrolled in other colleges to more quickly complete their degree requirements. Students entering the graduate program in Physical Therapy are seated each January to begin the twenty-eight month program.

Accreditation

Elon College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award bachelor's and master's degrees.

Elon's education program is accredited by the National Council for Accreditation of Teacher Education and by the North Carolina State Department of Public Instruction.

The college is a member of the following associations:

- The American Council of Education
- The American Association for Higher Education
- The American Association of Colleges for Teacher Education
- The Association of American Colleges

- The North Carolina Association of Colleges and Universities
- The North Carolina Association of Independent Colleges and Universities
- The National Association of Independent Colleges and Universities
- The European Council of International Schools
- Association of Independent Liberal Arts Colleges for Teacher Education
- National Council for Accreditation of Teacher Education
- Independent College Fund of North Carolina
- The Council of Independent Colleges
- The Council for Higher Education of the United Church of Christ
- The American Assembly of Collegiate Schools of Business



Campus and Facilities

Location

Fifteen miles west of Elon College, along Interstate 85/40, is the thriving city of Greensboro. To the east is Research Triangle Park, internationally known for its intellectual resources and for scientific research conducted by companies and organizations in the fields of computer technology, genetic engineering and other areas. Near Research Triangle Park are Duke University in Durham, the University of North Carolina at Chapel Hill and North Carolina State University in Raleigh. Rich cultural resources affiliated with four larger cities and 12 colleges are within an hour's drive of the campus. Thus, the Elon College community enjoys the lifestyle of a relatively small institution yet benefits from being centrally located close to major institutional and urban resources.

11

Campus

Elon's historic campus is beautiful, spacious and rich in trees and stately brick buildings. The campus is adjacent to the business district of the town of Elon College and is bounded by residential areas. The college is designed and equipped to serve its living and learning community with 24 academic and administrative buildings and 20 residence halls. The current living and dining facilities serve approximately 1,800 students who live on campus.

Extensive building and improvement projects have been completed in recent years, including six fraternity and sorority houses in 1989 and six fraternity and sorority houses in 1997, six apartment complexes on east campus in 1989, four residence halls in 1982 and 1984, and a new fountain and plaza area in 1982. Buildings housing the classrooms and laboratories have been extensively renovated, and new equipment and furniture have been provided, significantly enhancing the learning environment.

Elon's 70,000 square-foot Faith Rockefeller Model Center for the Arts opened in 1987 to house the fine arts and communications programs. In addition to providing classroom and studio space, the building has become the center of the college's cultural program series. Facilities include an auditorium, a recital hall and gallery space.

A major renovation and addition to the newly named Koury Center unites Alumni Memorial Gymnasium, Jordan Gym, Beck Pool and the new state-of-the-art fitness center, creating a visual whole.

The Moseley Center with 74,000 square feet was completed in January 1995. The center includes space for student organizations, a dining facility, the campus bookstore, student mail services and a multi-purpose meeting area and

auditorium. A TV lounge, "varsity" room, and outdoor terrace are part of the student commons area.

In 1995, Long Building was renovated to house the Martha and Spencer Love School of Business. Also that year Harden Dining Hall and McEwen Library were extensively renovated. In 1996, McEwen Dining Hall and Smith and Carolina residence halls were extensively renovated. Construction on a new science building began in 1997. It is expected to be completed in 1998.

Currently under construction is a new science building of 81,000 square feet with classrooms, labs and offices for the physics, chemistry, biology and physical therapy departments. The facility is scheduled for completion in the fall of 1998.

12

Facilities

Administrative and Classroom Buildings

- *Alamance Building* houses administrative offices and classrooms. Citizens of Alamance County contributed the money to build this structure in 1925 after the old administration building was destroyed by fire in 1923. The Alamance Building was extensively renovated in 1981. The area in front of Alamance Building is called Scott Plaza and is the gift of Ralph H. Scott, former State Senator and a former member of the Elon College Board of Trustees, in memory of his wife, Hazeleene Tate Scott. In the center of the plaza is Fonville Fountain, a gift of Rudy M. and Frances (Turner) Fonville '28. The fountain and plaza were completed in 1982.
 - *Carlton Building* was the gift of three trustees of the college: P.J. Carlton, H.A. Carlton and L.E. Carlton, and their sister, Mrs. J. Dolph Long. The Carlton Building was built in 1925 and extensively renovated in 1991. This structure houses three large lecture halls, state-of-the-art multi-media equipment, classrooms, faculty offices, and the Academic Computing Center.
 - *Duke Science Building* has modern scientific equipment and laboratory apparatus. It houses the Departments of Biology and Chemistry. In memory of their mother, Mrs. Artelia Roney Duke, J.B. Duke and B.N. Duke contributed to the cost of erecting this building, dedicated in 1927. Classroom and laboratory space underwent renovations in 1988 and 1993.
 - *Faith Rockefeller Model Center for the Arts* was opened for the 1987-88 academic year. In addition to classroom and office facilities for the art, music, drama, communications and dance programs, the 70,000 square-foot facility features a theatre, a recital hall and a fully equipped television studio. This facility was named in honor of the mother of Elon alumnus and trustee Bob Model '67.
- John A. and Iris McEwen McCrary Theatre* is a 600-seat theatre that has played host to such performers as Preservation Hall Jazz Band, Shanghai Acrobats and Dance Theatre, New Vic Theatre of London, Reynolds Price, American Repertory Ballet Company and many student productions.

Frances Council Yeager Recital Hall seats 125, offering a more intimate setting for student, faculty and guest recitals as well as lectures and panel discussions.

- *Holland House* is the former residence of the college president. Constructed in 1963, it is located at 301 East Haggard Avenue. It was named in memory of Shirley T. Holland, a longtime college trustee, by Mrs. Holland and their sons. The facility currently houses the Institutional Advancement, Development, Alumni and Parent Relations offices.
- *William S. Long Building* houses the Martha and Spencer Love School of Business. Renovated in 1995, it features an economics computer lab, classrooms, a student/faculty lounge and offices for accounting, business and economics faculty. Constructed in 1966, the building was named in memory of William S. Long, first president of the college.
- *Mooney Building* was donated to Elon in 1926 by M. Orban Jr., in memory of his father-in-law, the Reverend Issac Mooney. This building houses faculty offices, classrooms, the LaRose Resources Center, computer labs and the Curriculum Resources Center.
- *The Caroline Powell Building*, named in honor of Miss Caroline Powell, was completed in 1970. In 1991 with a bequest from Harvey Mebane Allen, major renovations were made to the first floor, creating the Admissions Center. The second and third floors contain classrooms, physics labs and faculty offices.
- *Whitley Memorial Auditorium*, first used for Commencement in 1924, has a seating capacity of approximately 500. Faculty and administrative offices are located on the north end of the building.

Residence Halls

- *John Barney Hall* houses 48 students. This three-story brick building was dedicated in 1966 and named in memory of John W. Barney, who was a member of the Elon College faculty for 33 years.
- *Ned F. Brannock Hall*, housing 48 students, is a three-story brick structure named in memory of Dr. Ned F. Brannock, a member of the Elon College faculty for more than 50 years. It was dedicated in 1966.
- *Carolina Hall*, built in 1956, houses 125 students. Congregational Christian Churches in North Carolina pledged the funds for this three-story brick building. It was renovated in 1996.
- *Chandler Hall* houses 93 students. It was constructed in 1982 in honor of Wallace L. Chandler '49, a trustee of Elon College and senior vice president of Universal Leaf Tobacco Company Inc., of Richmond, Va.
- *Colclough Hall*, constructed in 1982, houses 108 students. It was named in memory of George D. Colclough '26, through a gift by Royall H. Spence Jr. '42, and his wife, Luvene Holmes Spence '43. Mr. Spence is a trustee emeritus of Elon College. Mr. Colclough was a trustee of Elon College and a well-known business leader in Burlington.
- *East Campus Apartments*, completed in 1989, consist of six buildings, housing 32 students each. Reserved for upper-classmen, the facility offers an alternative to traditional residence hall accommodations.

- *Fraternities and Sororities* are housed in the Loy Center Residence hall suites in a fraternity/sorority court of six buildings which were completed in 1989. Six new fraternity/sorority residences were added in the fall of 1997.
- *A.L. Hook Hall*, housing 40 students, was named for Dr. A.L. Hook who was a member of the Elon College faculty for more than 50 years. Built in 1966, it is a three-story brick residence hall.
- *The Jordan Complex* is named in honor of John M. Jordan, Alamance County businessman. Built in 1980 and 1984, the complex houses 268 students in two-room suites.
- *Maynard Hall* is a residence hall for 124 students. Constructed in 1982, it was named in honor of Reid and Grace Maynard. Mr. Maynard was a trustee of Elon College and chairman of the board of Tower Hosiery Mills, Burlington, North Carolina.
- *North Hall*, located near the Harper Center, houses 31 students.
- *Sloan Hall*, a three-story brick structure, built in 1960 and housing 91 students, was named in honor of Dr. W.W. Sloan and Bessie Pickett Sloan, members of the Elon College faculty for 25 years.
- *Leon Edgar Smith Hall*, renovated in 1996, is a three-story residence hall built in 1957 to house 126 students. The building was named for Dr. L.E. Smith, former president of the college.
- *Staley Hall, Moffitt Hall, Harper Center and Harden Dining Hall* were completed in 1968. Staley Hall houses 201 students and Moffitt Hall, 101 students. The two residence halls are joined by Harden Dining Hall, which was expanded and renovated in 1995. These buildings were named in memory of Dr. W.W. Staley, Dr. E.L. Moffitt and Dr. W.A. Harper, three past presidents of Elon College. They are located on North Campus.
- *Virginia Hall*, a three-story brick structure built in 1956, houses 88 students. Congregational Christian Churches in Virginia pledged the money to pay for this residence hall.
- *West Hall* is a three-story brick structure adjacent to the Carlton Building. The oldest building on Elon's campus, it houses 84 female students.

Athletic Facilities

Koury Center

Named for the Koury family of Burlington, the Koury Center encompasses Alumni Memorial Gymnasium, Jordan Gymnasium, Beck Pool, Stewart Fitness Center and classrooms and offices for faculty and athletic staff. A sunlit, two-story concourse connects Alumni Memorial Gymnasium with Jordan Gymnasium, the pool and the fitness center.

- *Alumni Memorial Gymnasium* was built in 1949 as a memorial to Elon alumni who lost their lives in the two World Wars. The gymnasium, which seats 1,900 for sporting events, was extensively renovated in 1993 and will seat 2,500 for college convocations.

- *Stewart Fitness Center* – Completed in 1994, the 54,000 square-foot fitness center includes racquetball courts, weight rooms, aerobic dance studio and a human performance lab, as well as locker rooms, classrooms and a commons area.
- *Beck Pool* – Built in 1970, the seven-lane, Olympic-size, indoor swimming pool was named in honor of A. Vance Beck.
- *Jordan Gymnasium* - Named for Sen. B. Everett Jordan, Jordan Gymnasium is used primarily for teaching and recreation. It was built in 1970.

Athletic Fields include 50 acres of practice and playing fields, situated around the campus. There is adequate space for all sports.

Bakatsias Soccer Field, provided in 1984 by George, Terry and Johnny Bakatsias in honor of their parents, is one of the finest soccer facilities in the area.

John Koury Field House was constructed in 1980 through the generosity of Ernest and Maurice Koury in memory of their father. The building provides dressing facilities for Elon's football and baseball teams as well as a modern training room, laundry and coaches' dressing room.

Newsome Field is a modern baseball stadium donated in 1977 by Webb Newsome '37, and his wife, Jessie Cobb Newsome '36. A member of the Elon College Sports Hall of Fame, Webb Newsome was outstanding in baseball, football and boxing while at Elon.

Jimmy Powell Tennis Center, a 12-court, championship tennis complex, was built in 1988 and is one of the finest small-college tennis complexes in the nation.

Rudd Field, a multipurpose athletic field named for Clyde Rudd Sr. '37, is used for football, softball and intramural sports.

Recreational Areas

- *Lake Mary Nell*, a five-acre lake near the center of campus, was named in honor of Mary Nell Jennings, daughter of Elon College trustee Maurice Jennings and Patricia Gabriel.
- *Elon College Lodge and Botanical Preserve* was acquired by the college in 1984. Located one mile from the campus, the 25-acre tract is a natural habitat and outdoor laboratory for botany, zoology and ecology students. In addition to the lodge building, there is a picnic shelter and a building that is used as a field classroom.

Support Facilities

LaRose Resources Center was named in honor of Mr. and Mrs. Edgar H. LaRose and Mr. and Mrs. Robert E. Hettel, parents of Elon trustee Robert E. LaRose and his wife, Gail Hettel LaRose. Located in Mooney Building, the center provides instructional support to faculty, tutorial services to students, audiovisual materials and equipment, computer equipment and software and satellite TV services.

East Building was acquired by the college in 1978. It is used for maintenance storage and central receiving. It also houses the office of the Director of Facilities Management. A gymnasium and dance studio are located in the facility.

R.N. Ellington Health Center provides health services for students and includes multiple examination rooms and offices for the professional staff.

Maynard House is the residence of the college president. It is located a short distance from campus. The home was bequeathed to the college through the estate of Reid and Grace Maynard in 1988.

McEwen Memorial Dining Hall, completed in 1956 and renovated in 1995, was built as a memorial to James H. McEwen, an industrial and civic leader in Burlington, North Carolina. The first floor accommodates more than 185 diners in a modern and attractive private dining room. On the second floor is a dramatic, new dining hall, large enough to accommodate 150 people. The marche dining approach was used for this facility.

Iris Holt McEwen Library was completed in the summer of 1968 and renovated in 1995. Open stacks contain a well-rounded collection of more than 300,000 volume equivalents including extensive audio-visual and microform holdings. Approximately 80,000 government documents have been added to the collection since the library became a government depository in 1971. The state-of-the-art computerized catalog system, called IRIS (Information Retrieval In Seconds), allows students to gain instant access to five Piedmont-area college libraries.

Moseley Center

Moseley Center is named in honor of Elon alumnus Furman Moseley and his wife, Susan. The 74,000 square-foot campus center, which opened January 1995, is a place where students can relax and gather with friends. It features office space for student organizations, a Resource Center for learning conversational Spanish, the African-American Resource Center, mail services, the campus bookstore, a bank machine, the Octagon Cafe, the Black Box Theatre and a large multi-purpose auditorium. For entertainment, students can watch television on a large screen in one of four lounges, relax in front of the fireplace or visit the game room.

- *Resources for student organizations* — Moseley Center houses the Student Government Association and Student Union Board offices as well as the offices for other student organizations such as *The Pendulum* (newspaper), *Colonnades* (literary magazine), *Phi Psi Cli* (yearbook), *WSOE* (radio station) and *Elon Volunteers!*
- *McKinnon Hall*, named in honor of Elon trustee and alumnus Bob McKinnon '62 and his wife, Della, is a 500-seat auditorium that can be divided into as many as four smaller meeting rooms.
- *Octagon Cafe* offers a variety of food, including salads, hot and cold sandwiches, pizza, snacks and desserts. Students can choose to eat inside or outside on the brick terrace.

Some Elon College buildings, rooms, and facilities are named for individuals who contributed outstanding service to the institution. Facilities are usually marked with a brass plaque giving the date, the name of the facility, and in some cases, the donor of the facility. As buildings and other facilities become obsolete or the needs of the college change, the brass plaques are added to the college archives, perpetually preserving the memory of those honored.

Visitor Information

Visitors to the college are welcome at all times. The administrative offices are open Monday through Friday from 8:00 a.m. until 5:00 p.m. The admissions office is also open Saturday from 9:00 a.m. until noon. Administrative officers and members of the faculty are available at other times by appointment made in advance. The telegraph address is Burlington, and the college is served by the Burlington telephone exchange. The number at the main switchboard is 336-584-9711, and the FAX number for admissions is 336-538-3986. The Worldwide Web address is www.elon.edu.

Travel Information

Elon College is in the town of Elon College, North Carolina, a community adjacent to Burlington, 15 miles east of Greensboro, 64 miles west of Raleigh, close to Interstate 85/40. It is accessible to airline services in Greensboro and Raleigh/Durham. Amtrak serves Greensboro and Raleigh with daily connections to Burlington.



Academic Program

19

The academic program at Elon College prepares qualified students to enter graduate and professional schools or readies students to begin work in such fields as business, communications, teaching, public service and allied health. The bachelor's degree consists of a major field of concentration in the liberal arts or in a professional or pre-professional area, a general studies program and elective courses.

Degrees and Major Fields of Concentration

Elon offers courses leading to the graduate degrees of Master of Business Administration, Master of Education and Master of Physical Therapy and the undergraduate degrees of Bachelor of Arts, Bachelor of Fine Arts and Bachelor of Science.

The Master of Business Administration program requires 36 semester hours of graduate credit. Students are encouraged to apply regardless of undergraduate major. The Master of Education program requires 30-36 semester hours of graduate credit in Elementary Grades or Special Education. The Master of Physical Therapy requires 155 semester hours of graduate credit.

The Bachelor of Arts degree is awarded in the following fields: Art, Biology, Chemistry, Communications (Broadcast, Corporate and Film emphasis), Computer Science, Economics, Education (Elementary, Middle, Secondary—various subject areas, Special Education/Learning Disabilities), English, French, History, Human Services, Independent Major, International Studies, Journalism, Mathematics, Music, Music Performance, Philosophy, Physics, Political Science, Psychology, Public Administration, Religious Studies, Science Education, Social Science Education, Sociology, Spanish and Theatre Arts.

The Bachelor of Fine Arts degree is awarded in the following field: Music Theatre.

The Bachelor of Science degree is awarded in the following fields: Accounting, Biology, Business Administration (Management, Finance, Marketing, International Management and Management Information Systems), Chemistry, Environmental Studies, Health Education, Leisure/Sport Management, Mathematics, Medical Technology, Music Education, Physical Education, Physics and Sports Medicine.

Minor Fields of Concentration

Candidates for the bachelor's degree may elect a minor concentration consisting of at least 16 semester hours.

The following minor fields are available: Accounting, African/African-American Studies, Anthropology, Asian/Pacific Studies, Biology, Business Administration, Chemistry, Computer Information Systems, Computer Science, Criminal Justice, Dance, Economics, English, Film Studies, French, Geography, History, Human Services, International Studies, Journalism/Communications, Leisure/Sport Management, Mathematics, Music, Non-Violence Studies, Philosophy, Physical Education, Physical Education (Coaching), Physics, Political Science, Psychology, Public Administration, Religious Studies, Sociology, Spanish, Sports Medicine (Athletic Training, Exercise/Sports Science), Studio Art, Theatre Arts and Women's Studies.

20

General Studies

Elon's General Studies program reflects the college's long history of strong liberal arts education in a distinctive and highly contemporary form. Elon freshmen have the exceptional opportunity to begin their college careers in an intimate, seminar setting. The Global Experience course features a broad interdisciplinary investigation into many of the profound challenges facing the planet as we move into the next millennium. With classes individually designed by professors noted for their excellent teaching, each group gains a unique perspective on a set of issues under discussion campus-wide. As a result, the entire freshman class participates in an ongoing dialogue rich with diverse opinions, approaches and sources of information. The Global Experience course models the most admirable qualities of college learning. Students are called upon to participate, converse and discuss daily in a seminar setting. Collaborative and cooperation are fostered by frequent activities and projects. Writing and critical thinking are refined and the students develop a skill set that supports their future explorations in college and beyond. Developed with the support of the National Endowment for the Humanities, the advanced seminars at the junior and senior level are interdisciplinary in order to help students think about important issues across the narrow boundaries of the traditional disciplines. Elon's General Studies program also embodies the college's focus on a holistic approach to education, linking theory to application, through the experiential learning requirement. Through General Studies, Elon students encounter the best of the Elon faculty, are challenged to think in new and creative ways, and bring focus to their education through experience.

The General Studies program consists of four elements:

First-Year Core

In these four courses, students: 1) sharpen their reading, communication, numerical and information retrieval skills, 2) deepen their appreciation for a diversity of ideas, 3) grow in their ability to think independently, 4) learn to appreciate the wholeness of their own mind, values and body, 5) build on the careful and creative thinking that will bring them into the world of scholarship, and 6) learn that leadership is a way of thinking as well as a set of skills.

Experiential Learning

The requirement encourages students to engage the world about them actively and to reflect insightfully about their experiences. Included in experiential

learning are internships, volunteer activities in the community and undergraduate research programs, among others.

Liberal Studies

Elon students take courses from a variety of areas, learning facts and ideas from professors and disciplines outside their majors. As they complete their Liberal Studies requirement, Elon students learn that there are multiple ways to examine problems and differing strategies for the development of solutions.

Advanced Studies

Upper-level courses outside the major carry the broad Elon education past the introductory level. A required interdisciplinary seminar provides the capstone to the General Studies experience. Students work closely with a professor as they use intellectual skills to cross the borders between traditional academic disciplines.

The General Studies program assumes learning is cumulative and developmental. Elon College students will revisit the theme of a broad education from initial enrollment to graduation.

21

The Martha and Spencer Love School of Business

Established in 1985, the Love School of Business is an outgrowth of an endowment gift to Elon College from the Martha and Spencer Love Foundation.

The Love School of Business builds upon the liberal arts tradition of Elon College and provides undergraduate and graduate students the educational opportunities that will prepare them for business careers and civic leadership.

The Business School offers undergraduate-level majors in Accounting, Business Administration (concentrations in Management, Marketing, Finance, International Management and Management Information Systems), Economics and a graduate degree in Business Administration (MBA).

Specific requirements for Accounting, Business Administration and Economics are listed under Courses of Instruction.

Professional Programs

Elon College offers professional programs in Accounting, Business Administration, Communications, Computer Science, Education, Human Services, Journalism, Music, Public Administration and Medical Technology. These programs prepare graduates entering beginning-level professional positions. Qualified graduates may wish to continue their studies in graduate school.

Pre-professional Programs

Elon College offers programs that prepare students for professional studies in such fields as dentistry, engineering, law, medicine, physical therapy and theology. Students entering any pre-professional program should plan carefully, using the catalog of the professional school they wish to enter as a specific guide to choosing courses at Elon College. In addition to the preparation students receive through the regular academic curriculum, Elon offers a pre-professional advising

program that emphasizes careful academic advising, special programs and workshops and assistance in the graduate application process. Faculty advisors are available to assist students in this planning.

Pre-engineering

Elon offers a pre-engineering program that allows students to undertake a sequence of courses emphasizing math, physics and chemistry.

Students may transfer to an engineering school after two years. While there is the potential for a qualified student to transfer to any engineering school, the pre-engineering program at Elon College has been approved by the Subcommittee on Engineering Transfer for transfer to the engineering programs at North Carolina A&T State University, North Carolina State University and the University of North Carolina at Charlotte. Qualified students completing Elon's program receive preferential consideration for transfer to any of these engineering schools.

A three-year pre-engineering program is available for those students who have strong potential for pursuing an engineering degree but who do not have the math preparation necessary to take calculus. First-year students may take college algebra in the fall semester and calculus in the spring semester.

Pre-law

The Association of Law Schools embraces two educational objectives for undergraduate law students: First, the student should learn to reason logically; second, the student should learn to express thoughts clearly and concisely both orally and in writing. While law schools do not require a specific undergraduate major, several majors at Elon prepare students for admission to law school. Elon faculty members help students choose specific courses and curriculum tracks that increase students' chances for acceptance into law school. They also advise students in the selection of law schools, preparation for the Law School Admissions Test (LSAT) and the application procedure.

Through programs offered by the Prelaw Society, students discuss career opportunities with attorneys, judges and law enforcement officers. The Prelaw Society also arranges visits to area law schools and offers programs on taking the LSAT and applying to law school.

Pre-medical and Pre-dental and Other Health Professions

Elon's health professions program prepares students for entry into schools of dentistry, medicine, optometry, osteopathy, pharmacy, podiatry, veterinary medicine, physical therapy and other health-related professions.

Elon's Health Professions Advisory Committee is designed to guide and advise students who are interested in pursuing careers in medical and health-related professions. The committee is composed of faculty members from Elon, Bowman Gray School of Medicine and Duke University Medical Center. The committee monitors each student's academic progress and offers helpful advice on choosing a health profession as well as selecting and applying to professional schools. It assists students with the application process and provides letters of recommendation and interviews.

Students interested in a medically related career should meet with the Health Professions Advisory Committee Chair (Dr. Herbert W. House) and obtain information about their course of study as soon as possible. Although a concentration of the student's academic work will be in the sciences, medical and professional schools seek students with well-rounded academic experiences and well-developed critical thinking skills.

Scholarships assisting science and pre-medical students are available through the Elon Science Fellows Program and Lincoln pre-medical scholarships. Pre-medical students are encouraged to join and actively participate in the Lincoln Pre-medical Society. Meetings of the Society are held monthly, except during winter term. Numerous medical professionals are chosen and invited by the society to present programs of interest at the meetings.

23

Pre-ministerial (Any Full-time Christian Vocation)

The educational program at Elon College provides opportunities for students to prepare for the various aspects of Christian ministry. Although no particular major is required, many courses and other educational and service experiences permit students to explore their interest in and fitness for religious vocations. In general, for church-related vocations, students may major in Religious Studies or any of the liberal arts areas.

Evening School

Undergraduate and graduate-level courses are also offered during the evening. While any student may enroll in courses at these times, evening courses are especially convenient for students who work during the day. By attending classes solely at night, students may earn the Master of Business Administration or the Master of Education degree. Students may earn undergraduate degrees through a combination of day and evening classes.

Transitional Program

This first semester program provides individual counseling and faculty who work closely with entering students to help them make a successful transition to college. Students may be placed in preparatory courses in math, writing, reading and study skills which count as elective credit toward graduation.

Free Peer Tutoring

Free peer tutoring is offered to all students in most subjects through the LaRose Resources Center.

Writing Program

Elon College has a campus Writing Program and a Writing Center. The program and the center work concurrently to support and enhance student writing at all levels and in all areas of the college's academic program through sponsorship of writing contests and other activities. Students who are just

beginning a paper or who have a rough draft can visit the Writing Center Sunday through Friday for advice and guidance from the trained student staff.

Elon 101

Elon 101 is a specially designed academic advising course/program that introduces first semester students to college life. Among topics discussed are time management, study skills and how to become involved in campus activities. An extended orientation to college, the course is co-taught by the students' academic advisor plus a student teaching assistant. The class is limited in size to 15 students. The course meets weekly during the first semester and offers one semester hour of general college credit upon successful completion. Grading for this course is Satisfactory/Unsatisfactory.

24

High School Credit Bank Program

This program allows high school seniors to earn college credit before entering college through the completion of two summer session courses at Elon, and two courses at Elon during each semester of the senior year.

Leaders for the Twenty-First Century Programs

The North Carolina Teaching Fellows Program

Elon College is one of only two private colleges selected by the North Carolina Teaching Fellows Commission to offer a Teaching Fellows program, and one of only 14 institutions throughout the state. North Carolina Teaching Fellows are selected by the Public School Forum of North Carolina, which awards approximately 400 fellowships annually. North Carolina high school students interested in the teaching profession apply to the North Carolina Teaching Fellows Commission and are awarded grants through a selective interview process.

The Teaching Fellows' experience takes place in the context of Elon's highly successful teacher education program. Faculty work closely with students as mentors and academic advisors. In their junior and senior years, Teaching Fellows put their skills into practice by serving as peer advisors for entering education majors. All Teaching Fellows are allowed to participate in the Elon Honors program and receive Honors designation upon graduation provided they complete all requirements.

The Teaching Fellows experience at Elon is a four-year program requiring participation in the following:

- Specially designed leadership courses
- Internships
- Study/travel to major U.S. metropolitan areas
- A semester of study in London
- Special field trip, lecture series
- Capstone seminar examining local, state and national issues and their effect on education
- Elon Experiences Transcript

The Honors Program

The Honors Program assists academically superior students to attain greater breadth and depth in their General Education studies.

Honors Fellows can enroll in challenging courses that emphasize writing, critical analysis, problem solving and independent research taught by innovative faculty. Class size is generally limited to 20. Since the program is collegewide in scope, most Honors courses are taken in disciplines differing from one's major.

Other features of the program include: Early preregistration privileges, off-campus retreats, Honors housing arrangements and opportunities to attend Honors conferences and present research. Honors graduates often pursue further study or graduate training.

25

Most students are selected to enter the program as freshmen, but one can apply for admission as a continuing student by seeing the Honors Director. Students may also be referred by professors. Honors awards are renewable for up to four years, providing the recipient successfully completes a minimum course load of 30 semester hours for each academic year, maintains a cumulative grade point average of 3.2 or above and satisfies the requirements of the Honors program.

To receive Honors Program recognition at graduation, students must complete a minimum of 25 hours of Honors experience, as listed below, and achieve a 3.2 grade point average overall and in all Honors courses taken.

Students who fail to maintain an overall grade point average (GPA) of 3.2 or better are subject to dismissal from the program and all benefits associated with it.

Requirements for Honors Program Recognition

Category I: Students are required to take 9 semester hours from the following courses:

- (1) Honors Elon 101 (1 sh)
- (2) Honors GS 110: Global Experience (4 sh)
- (3) One 100-200 level Honors course (4 sh)

Category II: Students are required to take 12 semester hours chosen from the following courses:

- (1) 200-400 level Honors courses (A maximum of 4 semester hours from the 200 level)
- (2) 300-400 level non-Honors courses taken for Honors credit. (This may include scheduled department or General Studies courses, internships and independent study. Plans must be submitted in writing and approved by Director *before* the course is taken. See Director for details.) (A maximum of 4 semester hours may be used in this manner.)
- (3) Study abroad semester program participation (4 hours Honors credit) Winter/summer term (2 hours Honors credit) (A maximum of 4 semester hours may be used in this manner.)

- (4) Experiential Honors credit. Students may receive Honors credit (but not academic credit) for participating in some of the many Honors Program activities. See Director for details. (A maximum of 4 semester hours may be used in this manner.)

Category III: Students are required to take 4 semester hours from the following:

Honors General Studies Seminar

Senior (Junior, in some cases) Honors students would take an Honors section of the required upper-level General Studies Seminar or other approved upper-level General Studies Seminar.

26

For information about Honors Scholarships, see page 60.

The Isabella Cannon Leadership Fellows

The Isabella Cannon Leadership Fellows program is a four-phase developmental program that takes students from learning leadership skills to sharing those skills with others. The program is coordinated by a select group of students leaders. The student-run model helps keep the program strong and full of new energy each year.

Freshman Fellows

Students who are leaders in their high schools and/or communities compete for 25 positions. The Freshman Fellows are successful students and have made significant contributions to their communities. The Fellows participate in the Emerging Leaders Program as well as attend a fall retreat, become active in at least one student organization, and collaborate with a team on a community project. In the spring, they coordinate the selection for the next year's Freshman Fellows. Upon successful completion of the Freshman Fellows program, students move from "learning to lead."

Sophomore Fellows

After "learning to lead" as freshmen, Fellows move to "doing leadership" as sophomores. The Sophomore Fellows take a leadership role in one or more organizations, attend a "How to Lead" retreat, and participate in monthly meetings with a faculty member or administrator.

Junior Fellows

Junior Fellows focus on "enhancing leadership styles" by coordinating the Emerging Leaders program which is open to all new students. Junior Fellows also study the *Seven Habits of Highly Effective People*, shadow a community leader, and attend a state or regional leadership conference.

Senior Fellows

As seniors, the fellows "share leadership" by coordinating the "How-to-Lead" retreat for the sophomore fellows, participate in career preparation programs, attend capstone discussions to reflect upon their experiences at Elon, and offer their legacy papers at a special banquet at the end of the year honoring Dr. Cannon, the founder of the program.

Leadership fellows who complete all four phases of the program will receive the prestigious Isabella Cannon Leadership medallion and be recognized with distinction upon graduation from the College

The Jefferson-Pilot Business Fellows Program

The Martha and Spencer Love School of Business is dedicated to developing leaders for the 21st century. As part of that thrust, the Love School offers the Jefferson-Pilot Business Fellows Program to outstanding freshmen who have a strong interest in a career in business, non-profit organizations or government and who plan to major or minor in accounting, business administration, or economics. Almost all Jefferson-Pilot Business Fellows students are selected to enter as a freshman but some openings are available for continuing students.

Some of the features of the Jefferson-Pilot Business Fellows program are the following:

- a two credit freshman seminar in the Spring semester of the freshman year
- a \$750 Study Abroad grant for use in economics or business-related study abroad courses
- a guaranteed paid internship for use in the summer between the junior and senior years
- an investment course where the students manage part of the Elon endowment
- a senior capstone experience that will have the students involved in a real business situation.

In all of these program elements, the students will work closely with the 20-25 Jefferson-Pilot Business Fellows students. The students will gain the rich experience of working in teams, addressing problems together, and being involved with real business issues. This program will truly prepare the student to assume a leadership role in the 21st century.

27

The Science Fellows

A research-based program for exceptional students majoring in the sciences, mathematics or computer science, the Science Fellows Program provides excellent preparation for graduate study or a career in the sciences, mathematics or medicine. Fifteen Science Fellows are selected annually based on high school academic performances, science GPA, SAT/ACT, essay and interview. Fellows enjoy a variety of opportunities including assignment to a faculty mentor, a year-long interdisciplinary seminar in the freshman year to prepare for scientific research, a science policy course, paid research assistantships during the junior or senior year, and optional housing in a science Living/Learning Community. Eight to 10 Science Fellows scholarships valued at \$2,000 annually are awarded to freshman Fellows each year, in addition to Presidential scholarships they may have already received. Science Fellows are also invited to participate in the Elon College Honors Program.

Enrichment Programs

The Elon Experiences Transcript

The Elon Experiences Transcript provides a co-curricular transcript that enhances job and graduate school opportunities. The transcript documents leadership development, service learning, Study Abroad, internship/co-op experiences and undergraduate research during the college career. Elon

Experiences help develop informed, productive, responsible and caring citizens—individuals equipped with an education that enriches personal lives and enhances professional careers.

Leadership Development

Special courses, service projects, organizational leadership and internships help students develop the characteristics that identify a leader in any field: strong character, good communications skills, self-confidence, the ability to make decisions, motivate others, solve problems and take risks. Leadership development programs are described more fully in the Student Life sections.

28 Service Learning

Acting on the college's commitment to civic responsibility and leadership, the Kernodle Center for Service Learning and Elon Volunteers! offer programs and projects ranging from Habitat for Humanity to tutoring and mentoring programs. In addition, campus organizations participate in a variety of support and fund-raising programs, such as the Adopt-A-Highway clean-up program, American Red Cross Blood Drive, Special Olympics and March of Dimes Walk-a-thon. Service Learning programs are described more fully in the Student Life sections.

International and Multicultural Exposure

Examples of recent international experiences listed on Elon Experiences Transcripts include: semester programs in London, Japan, Spain; winter term in London, Costa Rica, Ireland, France, Germany, Belize, Mexico and Australia; and summer study and travel in Europe, China and India.

Undergraduate Research

Students may engage in research projects under the direction of individual faculty members. Students receive academic credit and have the opportunity to present their research methodology and results on campus and at local, regional and national conferences.

Internship and Co-op Opportunities

Through internships and co-op opportunities, Elon helps students understand the value of productive work, develop the knowledge and skills to compete and progress in a meaningful job or earn money to meet financial obligations. The Career Services Center at Elon assists students in meaningful career planning and preparation, and provides the resources and support needed for successful employment and career advancement after graduation. Over 67 percent of 1996 Elon graduates participated in internships and co-ops.

Study Abroad

Study abroad programs enhance the academic program and give students an opportunity to learn firsthand from other countries and cultures. Approximately 40 percent of 1997 Elon graduates participated in study abroad activities. The college offers a variety of such opportunities.

Students may elect to spend a semester, either fall or spring, in London. By selecting from the broad range of courses offered, most of which are taught by British faculty, students can fulfill General Studies requirements. Through internships and field research projects, students experience many dimensions of British culture. Students have access to the University of London's library. Fall and spring breaks permit extensive European travel. Elon students may spend a semester or a year in Japan at Kansai Gaidai Center for International Education, and study Japanese language and culture. Semester study is also possible through institutional arrangements with the University of Orebro in Orebro, Sweden, Curtin University in Perth, Australia and Universidad de Valladolid in Valladolid, Spain.

During the winter term the college offers a study/travel opportunity to England. This program allows students to spend approximately three weeks housed in London with opportunities for numerous excursions to historical and cultural sites in Great Britain. The college also offers other study/travel programs to various locations that vary from year to year. Other students have spent the winter term in Costa Rica studying its language, history and culture, or in Belize, Ireland, Mexico or Ghana. European studies include a course devoted to the unification of Europe and a course on World War II with visits to Belgium, France, Germany and the Netherlands. Other study abroad sites include Italy and Australia. All programs offer a wide range of course credit.

29

Independent Study and Research

Independent study and research is an integral part of the educational program at Elon College. With the assistance of faculty members, students get the chance to develop hypotheses and think creatively. Those who plan to attend graduate school benefit from the research experience. By providing an atmosphere for one-on-one learning with their professors, Elon gives students a unique opportunity to discover the experience of being a professional in their chosen field. Elon students can showcase their research efforts in the Student Undergraduate Research Forum (SURF) in which the participants give a presentation of their research projects and then respond to questions from the audience. Students also can present research papers off campus.

Military

ROTC

The Reserves Officers Training Corps program offers a military science curriculum leading to commission in the U.S. Army upon graduation. This course offers built-in financial assistance and special scholarship programs.

Credit for Veterans

This program offers military personnel on active duty the opportunity to submit CLEP credit by contacting their Education Officers or USAFI in Madison, Wisconsin, for testing. Credit for work completed may be transferred to other accredited post-secondary institutions, and service experience is accepted for physical education requirements.

Career Services

The following programs are available through the Career Services Center to help students plan their futures, explore careers/graduate school and become adept at finding employment.

Career Planning

30

Awareness of personal values, interests, skills and occupational information is necessary to make academic and career decisions. Professional career counselors assist students with their major and career choices by providing individualized career counseling, assessment inventories, computerized career guidance and information systems, occupational/educational information, career preview programs and workshadowing opportunities. COE 110 "Exploring Careers/Majors," a one-hour elective credit course, is for students exploring major and/or career options. Catalogs, a computerized graduate school locator, and computerized study guides for GRE, GMAT and LSAT are available to help students make decisions about postgraduate education.

Employment Services

Employability is the key to success for any major. Career Services assists students from all majors as they identify their career direction and finalize their career search. The Career Services Center has incorporated modern technology to provide more effective student/employer matches and to help students access current employer literature. Programs for upper-class and graduate students include classes in job search skills (COE 310 "Securing A Job"), resume referral to employers, on-campus interviews, individual job search assistance, job vacancy lists and a credentials file. Workshops on resume writing, job interviewing and other special career topics are offered. Additional resources and programs include occupational and employer information, career fairs, specialty work "shadowing" experiences and mentoring programs, and classes on making the transition from college to the workplace. The same services for students are also available to Elon alumni.

Internships or Co-ops

Elon College strongly supports programs that allow students to relate their classroom learning to work experience. Active cooperative education and internship programs provide opportunities throughout the academic year and during summers for students to explore careers, to integrate theory with practice and to examine future job possibilities. In each learning experience, the student's academic or career-related work assignment is supervised and evaluated by Elon faculty. Internships are directly related to majors or minors, may be full- or part-time and paid or unpaid. Most departments offer internship credits. Co-ops usually offer pay, are full- or part-time, may be repeated and count toward elective credit. The class COE 310 "Securing A Job" is required of co-op students.

Eligibility Requirements: Students must be a junior or senior (sophomore for co-op), have a 2.0 minimum GPA, have completed departmental prerequisites and have approval from the Faculty Sponsor/Experiential Education Director. Those participating in co-ops must enroll in the COE 310 class.

Academic Support Services

Elon College seeks to meet the individual academic needs of all students. In order to accomplish this, the college places emphasis on a variety of academic support services.

Academic Advising Center

Students are assigned faculty advisors before they enter Elon College. An important part of the Academic Advising Center's service is Elon 101, a freshman advising course. Freshmen not enrolling in Elon 101 are assigned advisors based on whether or not they have expressed an interest in a major. Students without clear career goals may be counseled in selecting a major and are assigned advisors within the major departments. Special advising assistance is also available for students in pre-professional programs such as pre-law, pre-medical and pre-engineering. Transfer students are assigned an academic advisor in the department of their majors at the time they enter.

Closely associated with the Academic Advising Center is the Career Services Center. Testing programs, an extensive careers library and career counseling help students explore career opportunities and correlate academic course work with career objectives.

Special Needs Students

Although Elon has no formal program for students with learning or other disabilities, the college does attempt to make reasonable classroom accommodations for students with special needs. Students who wish to discuss such needs should contact Priscilla Haworth, coordinator of Services for Students with Special Needs in Alamance 101. Dr. Smith Jackson is the Section 504 Coordinator, in Alamance 118.

LaRose Resources Center

Located in Mooney Building, the LaRose Resources Center is designed to meet the learning needs of a wide variety of students. Services provided include: tutorial assistance for most academic areas, computer-assisted instruction, microcomputer stations, a non-print media production facility, videotaping equipment and viewing room, a television production studio and an extensive variety of audiovisual equipment and materials.

Library

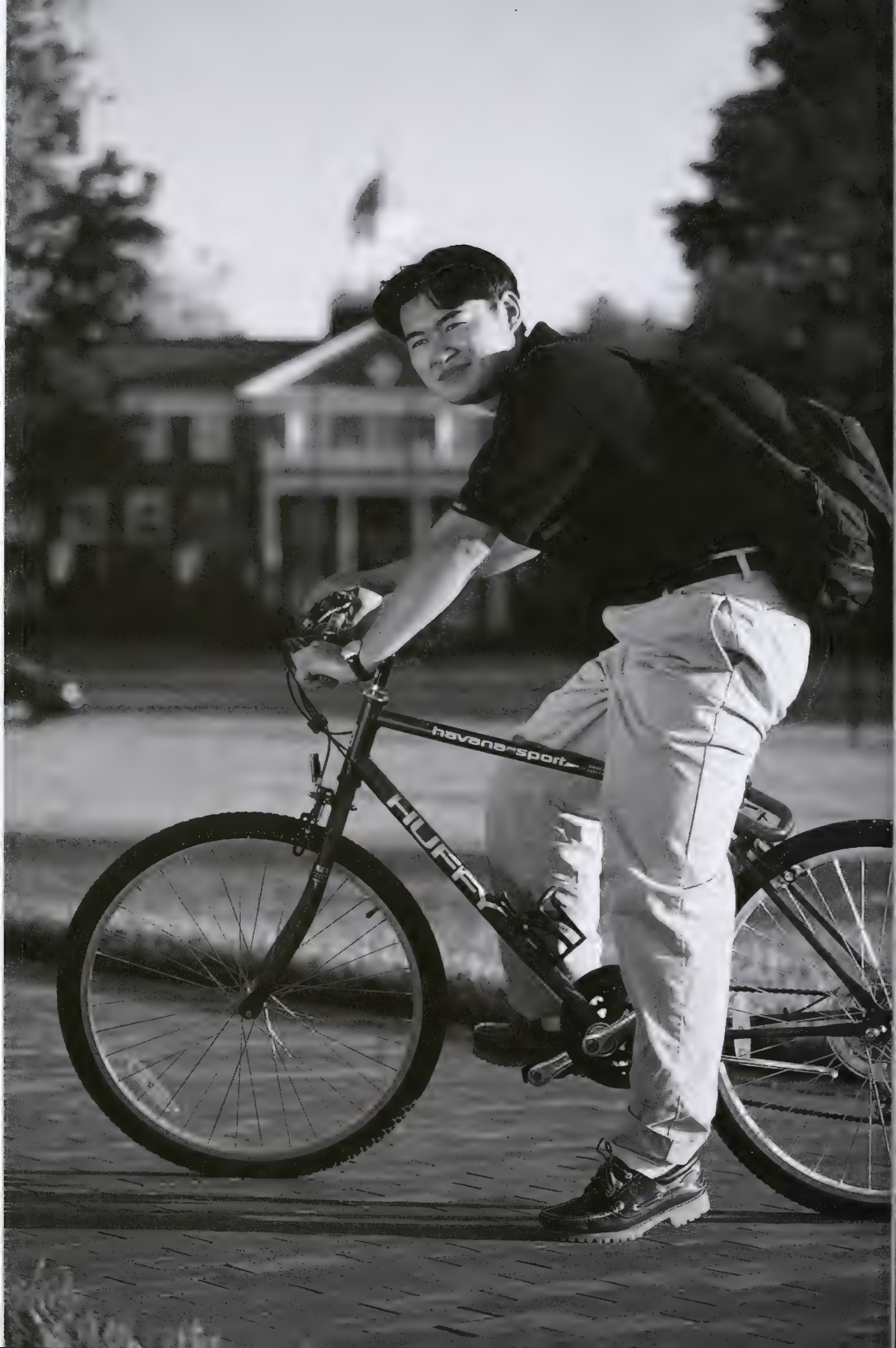
McEwen Library contains a well-rounded collection of approximately 200,000 volumes, 2,000 periodical subscriptions, 80,000 government documents and extensive audiovisual and microform holdings. The IRIS (Information Retrieval In Seconds) on-line catalog is accessible through any networked campus computer terminal. Also available on-line are the catalogs of most regional libraries as well as full Internet access. The library seats approximately 250 and provides space for both individual and group study.

Computer Facilities

Elon's academic computer resources include two Hewlett Packard 9000's two Novell networks, one NT server and one Linux server. The five PC computer labs

located in the library, Mooney, Alamance and Long buildings have 120 microcomputer workstations that are connected to the HP's, the on-line library catalog, the Internet and the Novell networks. There are also Macintosh labs in the Faith Rockefeller Model Center for the Arts and in Mooney. Available languages and software applications include Pascal, C, Lisp, APL, Prolog, Forth, Fortran, Microsoft Office Professional, Lotus, dBase IV, WordPerfect, and the statistical packages SAS and SPSS. Academic computing facilities are open to all students at no additional charge.





Student Life

35

Student life is more than classrooms, laboratories, study desks and libraries. Elon's goal is to educate the whole person, and students have many opportunities to achieve this goal. Experiences in the residence halls, campus organizations, student government, spontaneous social groups, Greek organizations, athletics and intramurals are critically important in a student's total development.

By participating in those co-curricular activities that interest them or are complementary to their academic programs, students can develop important insights about genuine communication, self-government, freedom, trust, honor and critical judgment. Programs designed by well-qualified faculty, staff and students provide opportunities for students to develop a meaningful concept, a sense of career, a philosophy of life, and sound ethical and moral principles.

Student Service

Personal Counseling

Under the direction of the Director of Counseling Services, counselors are available to provide help to Elon students. Support groups and therapy groups, composed of students concerned about the same issues, are available for those interested. In each of the three campus areas—East West and North—there is an Area Director, a master's-level staff member trained in counseling or a related field. In addition, within each residence hall there is a staff of specially-trained community development coordinators, usually one per floor. CDCs live on the hall and help students learn more about Elon College, themselves and other students. Supporting the residence hall staffs are personnel associated with the Division of Student Life.

Health Service

The college maintains a health service, which is open Monday, Tuesday, Thursday and Friday from 8:30 a.m. to 4:00 p.m. and Wednesday from 8:30 a.m. to 1:00 p.m. and 3:00 p.m. to 4:00 p.m. A health service fee covers most routine health and nursing services and treatment by the college physicians. These fees do not cover medications, cases requiring a physician other than a college physician, emergency treatment at a local hospital, laboratory tests or procedures conducted off campus.

All students must present evidence that they are covered by health insurance before they can enroll in classes. All undergraduate and graduate students taking six or more credit hours may purchase a health insurance policy through the

college. All students enrolled during day classes must submit a campus health form and immunization records.

Campus Living

There are 21 residence halls, 1 theme house, 13 fraternity and sorority houses and an apartment complex on campus with a variety of living arrangements. Each room is furnished with beds, bureaus, desks, blinds and chairs. The student brings pillows, blankets, bedspreads, bed linens, towels and other articles such as wastebaskets, rugs and lamps. Residence halls open at 2:00 p.m. the day before registration each semester. They are closed during Thanksgiving, Christmas, spring and summer vacations, except for those residence halls occupied during summer school. Rooms will be vacated and residence halls locked no later than noon on the day following the last night of exams.

Provided on-campus housing space is available, all first and second-year students must live in the residence halls unless they are approved by the Residence Life Office to live with their parents, relatives or spouse. All residence life policies and procedures for living on campus are presented in the License Agreement, which the student receives and acknowledges when applying for campus housing. This agreement is a one academic year contract renewable each academic year. The college helps students find off-campus housing, but does not serve as an intermediary in any way between the student and his/her landlord.

Students have access to coin-operated laundry facilities on campus.

Meals are served in the college dining halls, which open for the evening meal before the first day of registration, and close after the noon meal on the last day of final examinations. For vacation periods, college dining halls close after the noon meal of the last day of classes and open for the evening meal the day before classes resume.

Room Reservation and Security Deposits

New Students

Please refer to the Admissions, Finances and Financial Aid section of this catalog.

Continuing Resident Students

Students wishing to return to the residence halls for the upcoming academic year must submit a \$200 reservation fee during the housing reservation process announced by the Office of Residence Life during the spring semester. Students wishing to cancel their housing assignment must follow the procedures presented in the License Agreement they received when they applied for housing. The room payment/cancellation procedures are covered in this agreement also. Any questions can be directed to the Office of Residence Life.

Commuter Students

Programs that meet the particular needs of commuter students are offered through the Office of Student Life. The college encourages commuters to become

involved in campus functions and organizations. Student lounges and a TV room are located on the first floor of Moseley Center along with lockers. Commuter students may purchase meal plans or the Elon Card for dining on campus and may buy a parking permit if they wish to park on campus.

New Student Orientation

New Student Orientation is held just before the fall term begins. All entering students participate in the program, which is designed to prepare them for the college experience. Orientation includes small group activities as well as academic advising, testing, registration, lectures and social activities. A modified orientation program is offered for students entering in winter and spring terms.

37

In addition, the admissions office sponsors orientation programs every March and April for those students accepted by Elon who plan to attend the following fall. At that time, students may pre-register, apply for on campus housing and select a roommate.

The Student Government Association

The Student Government Association (SGA) represents the interests of the Elon student body. The faculty and staff of the college support and cooperate with the SGA. Projects and proposals dealing with social, cultural and academic life are promoted by the SGA President and the Student Senate.

Students play a direct role in academic and social policy-making through voting membership on numerous college committees. The SGA Office is in Moseley Center. SGA is advised by the Director of Student Activities.

Judicial System

The Judicial System is a code of student living under which all students should conduct themselves as responsible members of the college community. It is intended to be a code of integrity for students. For complete details about the Judicial System at Elon, see the Student Handbook.

Campus Safety and Police

Campus Safety is maintained by North Carolina Certified Law Enforcement Officers and by professional security staff with student support working under the direct supervision of the Director of Campus Safety and Police. The system works in close cooperation with the Town of Elon College Police and Fire Departments and the staff of the Division of Student Life.

Campus safety is a partnership between the college, its students, faculty, staff and guests. Students, faculty, staff and guests are encouraged to practice sound safety practices. In turn, the college attempts to provide facilities and services that optimize safety and security. Emergency telephones are located in strategic areas across campus. A complete list is updated yearly in the Student Handbook. The phones in the parking areas are designed to be accessible from an automobile without leaving one's vehicle.

The Office of Campus Safety and Police provides an escort service 24 hours a day. Students on campus call extension 2407 for this service; those off campus who need an escort upon returning to campus should dial 584-2407.

In accordance with the Crime Awareness and Campus Security Act of 1990, complete information regarding campus security policies and programs and campus crime statistics is available upon request from the Director of Campus Safety and Police, 2010 Campus Box.

Cultural Life

38

Each year a variety of programs is offered for the cultural and intellectual enrichment of campus life.

The Liberal Arts Forum, sponsored by the Student Government Association, schedules a number of lectures on current issues.

The Black Cultural Society brings speakers, musical groups and dance ensembles to Elon each year.

The Lyceum Series brings outstanding artists and performers to the campus during the year.

The Young Artist Series brings up-and-coming artists to campus.

The Classical Soirée Series, presented in the Yeager Recital Hall, brings outstanding artists to campus, often combining residency activities with a formal recital. Admission is free to the college community.

The James H. McEwen Jr. Visual Arts Series, named in honor of a former trustee and lifelong supporter of the arts, sponsors a number of visual art exhibits each year including fiber art, photography, sculpture, linocuts, watercolors, oil paintings and multimedia abstract compositions.

The Davidson Contemporary Print Exhibition, sponsored by Elon since 1990, is a national juried exhibition showcasing the current directions in printmaking in the United States.

A number of distinguished scholars in various fields are invited to the campus each year to give lectures and seminars for the enrichment of the academic program. There are also recitals in the Faith Rockefeller Model Center for the Arts presented by members of the Fine Arts Department faculty and advanced students in music. Several band and orchestra concerts are scheduled. Plays and musicals presented by Elon students and by visiting drama groups are also a feature of the college's cultural offerings.

The Student Union Board

Social activities at the college are largely planned and coordinated by the Student Union Board, which is advised by the Director of Student Activities. An extensive program of social, club and special-interest activities is carried out during the year. Among these are movies, trips, concerts, comedians, special events and many other social activities.

Moseley Center

Moseley Center is the center of college community life for the campus. This 74,000 square-foot campus center was opened in January 1995. Included in the facility are: the campus information desk and switchboard, two informal lounges, a television lounge, an art lounge, the campus post office, a Spanish center (el Centro de Espanol), a gameroom, the Campus Shop, the Octagon Cafe, the African-American Resource Room, several meeting rooms, a large multi-purpose auditorium, the student media, the Black Box Theatre, student offices for campus organizations and the Student Life staff offices.

Religious Life

39

Responsibility for college religious life rests with the Chaplain, who coordinates all on-campus religious programs. Voluntary religious services are held during the academic year. The Elon College Community Church, located just off the campus, is affiliated with the United Church of Christ and is open to all students for worship. Many denominations are represented on campus in the form of student organizations and adjunct clergy. Most denominations have churches within a few miles of the campus. Groups meet regularly for discussions, social activities and service projects such as Habitat for Humanity. The Chaplain's office is located in Moseley Center.

Minority Affairs

Elon College is committed to the enrollment and retention of minority students. Programs and services are available to minority students addressing academic, social and cultural needs to ensure that each student at Elon receives the best possible liberal arts education. The Office of Minority Affairs serves as a support system to help minority students adjust to college life. Programs have been developed and implemented to facilitate the recruitment, retention and graduation of minority students. The S.M.A.R.T. Program and Hand to Hand Program support first year minority students with their transition to college. Students are assigned to an upper-class student mentor and faculty mentor. Mentors help first year minority students academically in the areas of study skills and time management. Both programs help first year students reach the high level of achievement that is expected at Elon College. The Office of Minority Affairs is located in Moseley Center.

African-American Resource Room

The African-American Resource Room, coordinated by the Office of Minority Affairs, provides a support function to African American Students as well as an academic function for the entire college campus. The room serves as an instrument of orientation to students, faculty and staff on issues of race and diversity. With a valid Elon identification card, books and video tapes may be checked out. The African-American Resource Room serves as a catalyst for creating a positive atmosphere on campus. Thus the room itself maintains a healthy and integrated educational environment for all to enjoy. The African-American Resource Room is located in Moseley Center.

Leadership Development

40

Elon offers all students leadership skills and opportunities to exercise civic responsibility. The Emerging Leaders Program is open to all first-year students wishing to refine and further develop their leadership skills. Participants take part in leadership development workshops, attend cultural programs on campus, volunteer in the community, shadow a campus leader and join at least one campus organization. After successful completion of the Emerging Leaders Program, students may apply to become an Isabella Cannon Leadership Fellow. The Leadership Fellows Program offers students opportunities to study and practice leadership, participate in a series of seminars, facilitate service projects, lead campus organizations and mentoring experiences, and have the opportunity to participate in studies abroad and internship programs. Upon completion of all phases of the program, the student can graduate as an Isabella Cannon Leadership Scholar. Through the student managed L.E.A.D. Center, leadership development opportunities exist for all students not just those active in the Isabella Cannon Leadership Program.

Service Learning

Students have the opportunity to participate in diverse service experiences through a student-run program called "Elon Volunteers!" Elon Volunteers! coordinates over 15 service programs in the local community. In addition to these on-going programs, EV! sponsors a wide variety of one-time service events and trips. The mission of EV! is to provide all members of the Elon College campus the opportunity to develop an ethic of service by connecting campus and community through service experiences.

The Kernodle Center for Service Learning is located in Moseley Center and provides resources for faculty to integrate service into their courses giving students the opportunity to serve and learn at Elon.

Honor Societies

- *Phi Kappa Phi*
Membership in this national interdisciplinary honor society is one of the highest honors an Elon student can attain for academic excellence. Seniors (fourth year students) in the top 10 percent of their class and juniors (third year students) in the top 5 percent of their class are eligible for membership, must be in good standing, and must be distinguished through academic accomplishment.
- *Alpha Delta Omega*
Recognizes scholastic achievement by majors in human services
- *Alpha Epsilon Rho*
Recognizes scholastic achievement in the journalism and communications programs
- *Alpha Kappa Delta*
Recognizes scholastic achievement in sociology
- *Alpha Psi Omega*
Recognizes scholastic achievement in the theatre arts programs

- *Beta Beta Beta*
Recognizes scholastic achievement in the biology program
- *Epsilon Beta Epsilon*
Recognizes scholastic achievement by majors in economics and business courses
- *Kappa Delta Pi*
Recognizes scholastic achievement by majors in education
- *Kappa Mu Epsilon*
Recognizes achievement by majors in mathematics
- *Lambda Pi Eta*
Recognizes scholastic achievement in the field of communications
- *Omicron Delta Epsilon*
Recognizes scholastic achievement in the field of economics
- *Omicron Delta Kappa*
Recognizes students, faculty, alumni and outstanding citizens for exemplary character, service and leadership in campus life, and good citizenship within the academic and larger community
- *Order of Omega*
Recognizes students, faculty, staff and alumni for outstanding leadership, promotion of interfraternalism and service to the college and surrounding community
- *Phi Alpha Theta*
Recognizes scholastic achievement in the history program
- *Phi Eta Sigma*
Recognizes first-year students who have achieved a GPA of 3.7 or above
- *Pi Delta Phi*
Recognizes achievement by majors and minors in French
- *Pi Gamma Mu*
The North Carolina Alpha chapter of Pi Gamma Mu, national social science honor society, was chartered in 1929. Students and faculty members who attain distinction in the social sciences at Elon are eligible for nomination into membership
- *Pi Sigma Alpha*
Recognizes scholastic achievement in the political science program
- *Psi Chi*
Recognizes achievement by majors in psychology
- *Sigma Delta Pi*
Recognizes achievement by majors in Spanish
- *Sigma Tau Delta*
Recognizes scholastic achievement in English
- *Theta Alpha Kappa*
Recognizes students and faculty for scholastic achievement in the field of religious studies

Student Organizations and Activities

Elon College offers students opportunities to become involved in numerous activities and organizations on campus. The range of these activities is considerable. Students are encouraged to work with the Director of Student Activities to start new organizations. Refer to the student handbook for a listing of all campus organizations and process for starting a new organization.

Departmental

Accounting Society, Alpha Kappa Psi, Association of Computing Machinery, Health, Physical Education and Leisure Club, Human Services Club, Lincoln Pre-med Society, Mathematics Association of America, Pre-law Society, Psychology Club, Society of Professional Journalists, Sociology Club, Student Affiliates of the American Chemical Society, Student North Carolina Association of Educators and Women in Communications.

Greek

There are 18 general fraternities and sororities at Elon. Fraternities include: Alpha Kappa Lambda, Alpha Phi Alpha, Kappa Alpha Order, Kappa Alpha Psi, Kappa Sigma, Lambda Chi Alpha, , Sigma Chi and Sigma Pi. Sororities include: Alpha Kappa Alpha, Alpha Omicron Pi, Alpha Sigma Alpha, Alpha Xi Delta, Delta Sigma Theta, Phi Mu, Sigma Kappa, Sigma Sigma Sigma, Zeta Phi Beta and Zeta Tau Alpha.

Music

Chamber Singers, Concert Choir, Élan, Emanons, Orchestra, Pep Band, Percussion Ensemble, Student Chapter of Music Educators National Conference and Symphonic Winds.

Religious

Baptist Student Union, Catholic Campus Ministry, Elon College Gospel Choir, Elon Hillel, Fellowship of Christian Athletes, Intervarsity Christian Fellowship and Methodist Fellowship.

Service

Alpha Phi Omega, Elon Volunteers!, GAMMA (Greeks Advocating the Mature Management of Alcohol), Circle K (College Chapter of Kiwanis), Epsilon Sigma Alpha, Elon College Chapter of Habitat for Humanity, Safe Rides, SCALE (Student Coalition for Action in Literacy Education) and Sierra Student Coalition.

Sports

Aikido Club, Equestrian Club, Men's Lacrosse Club, Men's and Women's Rugby, Swimming and Women's Field Hockey.

Cultural and Special Interest

Black Cultural Society, Elon's Finest, Intercultural Relations, Liberal Arts Forum, Resident Student Association (RSA), Model UN, North Carolina Student Legislature, Students for Peace and Justice, Student Government Association and Student Union Board.

Communications Media

Media Board

The Board is composed of students and members of the faculty and administration. It advises, guides and encourages all student media on campus.

ESTV

ESTV is a student operated TV station providing experience for students interested in all areas of communications.

Colonnades

The college literary magazine is published by students interested in creative expression, both verse and prose.

The Pendulum

The college newspaper, *The Pendulum*, is published weekly by a student staff both in print and on a World Wide Web homepage.

Phi Psi Cli

The college yearbook is edited by members of the student body. Its name, *Phi Psi Cli*, commemorates three former literary societies.

Radio Station

WSOE-FM, the campus radio station, operates each day and is staffed primarily by students.

Who's Who

Each year a committee composed of members of the faculty, administration and student body elects students to be listed in the national publication *Who's Who in American Colleges and Universities*. Students are selected on the basis of scholarship, participation and leadership in academic and extracurricular activities, citizenship and service to the college and promise of future usefulness.

Campus Recreation

The Office of Campus Recreation is service-oriented with a philosophy based on providing maximum recreational opportunities for students, faculty and staff at Elon College. From playing flag football, white water rafting, participating in an aerobics class, or special programs such as Adventures in Leadership, the campus recreation program provides the opportunity for students to participate in a safe and enjoyable environment.

The variety of programs range from formal structured leagues to informal activities. Participation in these activities gives students the opportunity to develop friendships and learn important lessons of sportsmanship, team building, cooperation, personal development and self-actualization. Elon values wellness and the lifelong importance of the wise use of leisure time.

The Office of Campus Recreation is also student-development oriented and strives to provide an opportunity for students to transfer classroom theories into practical work experiences. Student leaders coordinate and manage all of the Campus Recreation programs.

Aerobics

The college offers a diverse program including aerobics, step aerobics, water aerobics and toning classes. All instructors are trained through the Aerofit training program and are nationally certified or working toward certification. With more than 20 classes per week, exercise opportunities are offered for every type of exercise enthusiast.

44

Aquatics

The aquatics program consists of open swim times, scheduled swim times, and a variety of aqua-fitness programs. In addition, recognized Elon organizations can reserve the facility for pool parties.

Fitness

The state-of-the-art fitness center and free-weight rooms offer not only the equipment needed for a quality workout but a well-trained staff to help meet your fitness needs. Your own personal fitness program can also be developed through a personal training program. In addition, competitions are planned each semester such as Cardio Conquest and Step Across America.

Intramurals

Intramural events offer a variety of sport leagues and tournaments. Different divisions are available to meet the diverse levels of competition. In addition, co-rec leagues are available in all sports. Some of the sports offered are basketball, soccer, softball, tennis, volleyball, flag football and whiffleball.

Outdoor Programs

Elon Outdoors consists of adventure trips such as backpacking, skiing and white-water rafting. In addition, camping equipment such as backpacks, sleeping bags, tarps and tents may be rented. For those who wish to venture on their own excursions, resource information on many outdoor recreational opportunities all over the United States is available. Additionally, Outdoor Programs offers training to those outdoor enthusiasts who are interested in leading one of our trips.

Open Recreation

A variety of free-play time is available for those who prefer unstructured recreational pursuits. Two gyms, five racquetball courts, a pool, fitness center, commons areas, and several outdoor facilities, including sand volleyball courts and basketball courts, are available for open recreation. In addition, a variety of equipment is available for check-out.

Club Sports

Club Sports are a variety of self-administered clubs that are based on students who share a common interest. Clubs may range from informal to competitive

depending on the clubs' participants. New clubs are welcome to join existing clubs such as Aikido, Men's Lacrosse, Men's and Women's Rugby and Swim, Field Hockey and Equestrian.

Special Events

A variety of short-term recreational and educational events are planned. Some of the events are corporate-sponsored theme weeks, such as Cardio Conquest and Health and Wellness Week. Other special events include RecFest and the Turkey Trot.

Intercollegiate Athletics

45

Elon is a member of the National College Athletic Association. In June of 1997, Elon declared its intent to reclassify its athletic program from Division II to Division I (I-AA for football) and has joined the Big South Athletics Conference. These new affiliations become effective in Fall, 1999. Elon's men's teams compete in intercollegiate football, basketball, baseball, tennis, golf, soccer and cross-country. Elon's women's teams compete in intercollegiate volleyball, golf, basketball, softball, soccer, tennis and cross-country.

Traditional Events

Fall Convocation

Each fall semester a prominent educator or civic leader is invited to speak to the student body and faculty.

New Student Convocation

Each fall, as part of the new student orientation, all new students, parents and faculty gather in Koury Center for a convocation.

Greek Week

A time for unity, friendly competition and fun is sponsored each spring by the PanHellenic, National PanHellenic and Interfraternity Councils. Contests of various kinds—tug of war, chariot races, dance competition and sporting events—as well as a service project and an educational speaker provide a well-rounded experience to promote Greek life.

Homecoming

Homecoming takes place in the fall, bringing back to the campus many former students. Entertainment includes: golf and tennis tournaments, a football game and major student and alumni activities.

Family Weekend

In the fall, parents and other family members are invited to visit the campus and participate in several events planned especially for them. Activities include a golf tournament, a college football game, parent/professor meetings, coffee at the home of the President as well as evening entertainment and excellent food. It is a great time for families to meet Elon faculty and administrators.



Admissions, Finances and Financial Aid

Application Procedures

47

Elon College admission applications are available from many high school guidance offices or directly from the Office of Admissions, 2700 Campus Box, Elon College, NC 27244. Telephone: 800-334-8448 or 336-584-2370. E-mail: admissns@numen.elon.edu

To apply for admission to Elon, students need to submit a completed application with the non-refundable \$25.00 application fee, an official high school transcript, SAT or ACT scores and a completed Counselor Recommendation Form. Students will receive a postcard to notify them that the application has been received.

Elon operates on a rolling admission plan. Applicants will hear from the Admissions Office four to eight weeks after the application is complete, beginning October 1. Applications submitted after February 15 will be considered on a space-available basis.

Merit scholarships are based on a student's academic record. Students who wish to be assured of full consideration for merit scholarship opportunities should apply early. No separate application is necessary. Most merit scholarships are awarded on a rolling basis as applications are received.

Admission Requirements

Freshman admission is based primarily on the high school record, class rank and SAT or ACT scores.

Degree candidates and special students must demonstrate intellectual promise and readiness for college.

Applicants must prove their successful performance in a college preparatory curriculum. The following distribution of courses is recommended:

English	4 units
Math	3 or more units
(including Algebra I and II and Geometry)	
Science	2 or more units
(including at least one lab science)	
Social Studies	2 or more units
(including U.S. History)	
Foreign Language	2 or more units
(of the same language)	

All Resident Students

To complete acceptance and reserve a room, an enrollment deposit of \$200 is recommended within one month of acceptance but no later than May 1 for the fall semester. This deposit is credited to the student's account.

Refund Policy

For the fall semester, the enrollment deposit may be refunded in full by notifying the Office of Admissions in writing prior to May 1. After that date, \$50 will be refunded until August 1. For the spring semester, the full amount is refundable until December 15. Exceptions to this policy must be authorized by the Dean of Admissions and Financial Planning.

48

All Commuter Students

To complete acceptance, an enrollment deposit of \$50 is requested within one month of acceptance. It is not refundable after August 1 for the fall semester or after December 15 for the spring semester. Exceptions to this policy must be authorized by the Dean of Admissions and Financial Planning.

Entrance Examinations

Applicants for admission to Elon College should have taken either the Scholastic Aptitude Test of the College Entrance Examination Board or the American College Test of the American College Testing Program.

Application blanks, lists of testing centers, dates and rules for applications, fees, reporting and the conduct of testing are available in most high school guidance centers in the United States. For either test, students should have their test scores sent directly to Elon College.

The Early Decision Plan

Well-qualified high school students who decide at the close of their junior year that Elon College is their first choice may take advantage of the Early Decision Plan.

To be considered for Early Decision, a student can apply any time after completion of the junior year, but the application must be completed no later than December 1 of the senior year. The application must be sent with the high school record, scores on the SAT and/or ACT, the Counselor Recommendation Form and a signed Early Decision agreement.

Students accepted under the Early Decision Plan have several advantages: (1) notification of the admissions decision within three weeks of the receipt of the completed application package, beginning October 1; (2) the opportunity to attend the first Spring Orientation Weekend; (3) priority status for housing and registration; and (4) an early financial aid estimate.

Accepted Early Decision students must submit a nonrefundable \$200 deposit by January 15 and withdraw applications from all other colleges at that time.

Transfer Admission

Transfer students are admitted at all class levels based on their academic record at the institution from which they are transferring. In order to graduate, one full academic year of study (at least 33 semester hours) must be completed at Elon, including the last term before graduation.

To be admitted for advanced standing, the student is expected to have at least an overall "C" average on work attempted at other institutions, to be eligible to return to the last institution attended and to be recommended by college officials.

An applicant having less than 24 semester hours of transferable college credit at the time of application must also meet freshman admission requirements.

49

In order to be considered for transfer admission a student must:

1. Have transcripts sent from all two-year or four-year colleges attended.
2. Have a Dean's Evaluation Form completed by the dean of the last college attended verifying eligibility. This form is not required if the student has received an associate degree.
3. Have high school transcript and SAT or ACT scores sent. The SAT/ACT requirement may be waived for some advanced students or nontraditional students who did not take the test while in high school.

Transfer Credit

Students earn credit for courses taken through college parallel programs at accredited junior colleges or community colleges and for courses taken at accredited four-year colleges and universities. Transcripts are evaluated and credit is awarded on a course-by-course basis after the student has been accepted for admission. The freshman course, GST 110, Global Studies, is waived for students transferring 18 hours or more.

No more than 65-semester hours of credit will be allowed from two-year institutions. No credit is allowed for courses with a grade lower than "C-". Credit will not be given for classes taken while a student is under academic suspension.

Special Students

The college admits a limited number of special students who are not working toward degrees at Elon College. Special students include:

- Persons taking only private music instruction in the Department of Fine Arts. Such applicants are admitted if instructors are able to schedule lessons for them.
- High school graduates taking classes of special interest. Persons out of high school less than two years are required to submit a copy of their high school transcript and SAT/ACT scores.
- Visiting students from other colleges attending summer and winter terms.
- College graduates interested in further study at Elon. Such applicants are admitted if they fulfill requirements for admission to the desired courses.

- College graduates working toward teacher licensure or relicensure.
- High school students taking classes on the Elon campus during their senior year. Credit for this work is generally transferable to other institutions. (Credit Bank Application required)

Special students may register for no more than eight hours per semester without approval of the Dean of Academic Affairs.

International Students

50

Elon College recognizes the importance of intercultural experiences in education. International students from more than 20 countries attend Elon each year. Prospective students from outside the United States may obtain admissions packets from the Office of International Admissions. International students must submit the International Admissions application with a nonrefundable \$25 (U.S. dollar) application fee, translated transcripts from all secondary and post secondary schools attended and a completed Certificate of Financial Responsibility (CFR).

The Test of English as a Foreign Language (TOEFL) is required unless English is the student's native language or the language of instruction. Accepted applicants' TOEFL scores range from 500-650. Merit scholarships are available for students with outstanding academic transcripts.

International students should submit applications and documentation as early as possible as it may take several months to receive and process forms from abroad. The Office of International Admissions can be contacted by calling 336-584-2474 or 800-334-8448 (toll free in the USA); FAX is 336-538-3986; E-mail address is interadm@numen.elon.edu. Inquiries may also be directed to the office by accessing Elon's web site at www.elon.edu.

Acceptance on Condition

Students who have graduated from a secondary school but who do not meet the requirements in subject matter areas and units may be accepted on condition. Any deficiency must be eliminated before beginning the sophomore year at Elon. A student entering with a deficiency may not be able to complete degree requirements in eight regular semesters.

Students whose deficiencies indicate a need for special work may be required to participate in the Transitional Program. Upon successful completion of this work and recommendation by the Transitional Program Coordinator, the student may proceed with regular course work.

Advanced Placement Examination

Students earning a score of three or better in the Advanced Placement Tests of the College Entrance Examination Board taken in high school may receive credit in the following fields: art, biology, chemistry, computer science, economics, English, French, German, history, mathematics, music, physics, political science,

psychology and Spanish. Scores should be sent to the Office of Admissions for approval by the Dean of Academic Affairs.

College-Level Examination Program (CLEP)

The College-Level Examination Program (CLEP) of the College Board enables students to earn college credit by examination. Students desiring credit by examination must earn a scaled score of 500 on the General Examinations and/or a score of 50 on the Subject Area Examinations. Credit may be awarded in the following areas: composition and literature, foreign language, history and social sciences, science and mathematics. Adult students interested in receiving credit through CLEP should contact the Admissions Office for information. Scores should be sent to the Admissions Office for approval by the Dean of Academic Affairs.

51

Department Examination

Students may contact the Dean of Academic Affairs for details concerning the process of credit through examination by departments at Elon in areas not covered above. The cost for each examination is \$242.

Credit for Veterans

Veterans entering Elon may transfer certified credits from various areas:

- Military personnel on active duty who wish to submit CLEP credits should see their Education Officers concerning CLEP tests or write to USAFI, Madison, Wisconsin.
- Work from other accredited post-secondary institutions may be accepted.
- Students with one year of active duty in military service will receive credit for the Physical Education requirement by bringing a copy of their DD-214 Form to the Registrar's Office for verification.

General Costs

The cost of attending Elon College is purposely held at a reasonable level. The chart on page 53 gives the particular charges for resident and commuter students. Please note that there are special tuition rates for part-time students.

Student Government Association and health service fees are collected from all students enrolled for nine or more semester hours during registration.

Costs Covered by Tuition

Included in the tuition fees are costs of registration, use of the library and recreational facilities, admission to home athletic events, student publications, post office box, regular laboratory fees and 12 to 18 semester hours of work, inclusive each semester.

The tuition, fees and estimated book expenses do not include fees for special courses and special laboratory work which depend on the course of study undertaken. Personal expenses vary with the individual student. For the student who must earn money toward his/her college expenses, a number of work opportunities are available through the Career Services Center and the Human Resources Office.

The Meal Plan

52

All residence hall students are required to participate in the meal plans in the college dining halls. The cost of the meal plans are subject to change without notice. Double charge is made for special diets. Students living off campus may purchase a semester meal ticket, use the Elon Card (a debit card for use in dining halls and the Campus Shop) or purchase individual meals. Freshmen must choose either the 19 or Unlimited meal plan.

Book Expenses

The estimated cost of textbooks is \$650 for the academic year, including \$325 needed for purchases from the campus bookstore at the opening of fall semester.

Room Change Charge

Students changing rooms without permission of the Dean of Students are charged for both rooms.

Expenses for the 1998-99 Academic Year

Full-Time Enrollment/Day Students (12-18 hours)

	<u>Fall Semester</u>	<u>Winter Term*</u>	<u>Spring Semester</u>
Tuition	\$5,964.00	\$242.00/hour	\$5,963.00
Room (Double)	997.00	270.00	997.00
(Single)	1,294.00	341.00	1,294.00
(Double as single)*	1,420.00	380.00	1,420.00
Board** (winter term billed with fall semester)			
19 Meal Plan	1,326.00	270.00	1,056.00
15 Meal Plan	1,369.00	282.00	1,087.00
Unlimited	1,489.00	303.00	1,186.00
Student Government	60.00		60.00
Health Service	50.00		50.00
Overload***	242.00/hour		242.00/hour
Security Deposit (refundable, applies to residence hall students only)			100.00

53

* Students enrolled full-time for either fall or spring semester (within the same academic school year) are not charged for winter term room or tuition if no overload exists in winter term. Residence hall students enrolled full-time fall semester not attending winter term will be eligible for a credit for winter term board.

** 19 Meal Plan - 19 dining hall meals per week and \$60 Elon Card balance each semester (Fall and Spring) and \$30 Elon Card balance Winter Term.

15 Meal Plan - 15 dining hall meals per week and \$110 Elon Card balance each semester (Fall and Spring) and \$55 Elon Card balance Winter Term.

Unlimited Meal Plan - Unlimited dining hall meals per week and \$70 Elon Card balance each semester (Fall and Spring) and \$35 Elon Card balance Winter Term.

Freshmen must choose either the 19 or Unlimited Meal Plan. Elon Card balances from meal plans are restricted for meals/food purchases only and are not refundable if not used. Meal plan money cannot be used in the Campus Shop. Authorized changes in meal plans are permitted through the second week of fall and spring semesters. Any difference in price must be paid at the time of the change.

*** More than 18 hours in fall or spring; more than four hours in winter.

* Provided space is available and approval given by Residence Life Office

Part-Time Enrollment/Day Students and All Evening School

Tuition 1-8 hours	\$242/hour
9-11 hours*	\$374/hour

* Day students enrolled for 9-11 hours must pay SGA and health fees.

Evening students can enroll in no more than four semester hours in the day program.

Graduate Programs

MBA Tuition	\$256/hour
M.Ed. Tuition	\$210/hour

Summer School 1999 - TBA

Special/Optional Fees *(No Refund After Drop/Add Deadline)*

Applied music lessons:

Each one semester hour credit or audit for non-music majors..... \$242

Each one semester hour credit or audit for music majors
taking second or additional lessons \$242

Auditing per course \$125

Charges for other courses with special fees are listed in the catalog and/or the course schedule.

Graduation Fees

Bachelor's Degree \$40

Master's Degree \$50

Miscellaneous Fees

Auditing per course \$125

Late registration/Reenrollment during term \$25

Late payment \$30

Adding a course after Drop/Add Day \$10

Transcripts \$5

Security deposit (residence hall damage and key return)
refundable upon completion of housing contract \$100

Examination for course credit \$242

Automobile registration
Resident students \$50

Commuter students \$40

Replace I.D. card/meal ticket \$30

Returned check fine \$20

A student's grade or graduate's diploma and transcripts will be withheld until his/her financial obligations to the college are settled. A student cannot register for further course work until financial obligations to the college are settled.

Refunds

Academic Year—

Fall and Spring Semester*

Undergraduate, MBA, M.Ed.

Tuition, fees and room charges are refunded as follows:

- Students will receive refunds on a pro rata basis during the first eight weeks of the semester. Following is a table of pro rata charges:

1st week pro rata charge 5%

2nd week pro rata charge 10%

3rd week pro rata charge 40%

4th week pro rata charge 60%

5th week through 8th week pro rata charge 75%

9th week — no refund

- * Upon withdrawal, meal ticket refunds are prorated throughout the semester.

Exception to the above policy is as follows:

- Students receiving Title IV financial aid and attending Elon College for the first time will receive refunds according to the policy listed below.

—Refunds will be made to students who (a) do not register for the semester for which Title IV financial aid was intended, or (b) withdraw and do not complete the period of enrollment for which the Title IV assistance was intended.

Refunds (except for board charges) will not be made after 60 percent of the semester for which the student has been charged has passed.

—The portion of the semester for which a student can receive a refund is computed by dividing the time (in weeks) remaining in the semester by the total time (in weeks) of the semester and rounding downward to the nearest 10 percent.

—Any unpaid charges owed by the student will be deducted from the calculated refund.

—Students who withdraw after 60 percent of the semester has passed will receive a refund of board charges on a pro rata basis.

—Refunds under Title IV programs will be made on a pro rata basis to the student and any payers based on the percentage of charges paid by each source.

- Medical withdrawals will be handled on a case-by-case basis
- The effective date of withdrawal is determined by the Office of the Associate Dean of Student Life. Students and parents who believe circumstances warrant an exception from the published policy must appeal to Mr. Gerald Whittington, Vice-President of Business and Finance, Room 113, Alamance Building.

Master of Physical Therapy Program

Students will receive refunds on a pro rata basis during the first 13 weeks of each half of the academic year. The first half begins with the first day of classes

in January. The second half begins with the first day of July. Following is a table of pro rata charges:

Start of the period through the end of 3rd week	10% charge
4th week through the end of the 7th week	50% charge
8th week through the end of the 13th week	75% charge
14th week	no refund

The effective date of withdrawal is determined by the Dean of Student Life. Students and parents who believe circumstances warrant an exception from the published policy must appeal to Mr. Gerald Whittington, Vice President of Business and Finance, Room 113, Alamance Building.

Unpaid charges owed by the student will be deducted from the calculated refund.

The acceptance deposit is non refundable.

Exceptions to the Institutional Policy

1. Students receiving Title IV financial aid and attending Elon College for the first time will receive refunds as follows:

Refunds will be made to students who (a) do not register for the semester for which Title IV financial aid was intended, or (b) withdraw and do not complete the period of enrollment for which the Title IV assistance was intended. The portion of the period for which a student can receive a refund is computed by dividing the time (in weeks) remaining in the period by the total time (in weeks) of the period and rounding downward to the nearest 10 percent, less any unpaid amount owed to the college. Refunds will not be made after 60 percent of the period has been completed. Each enrollment period is considered to be 25 weeks.

2. Medical withdrawals will be handled on a case by case basis.

Winter Term and Summer School*

Students who end enrollment during the second or third day of classes of winter term will receive a 90 percent refund of tuition and room charges. Students who end enrollment during the fourth or fifth day of classes of winter term will receive a 50 percent refund of tuition and room charges. There will be no refunds after the fifth day of classes.

Students who end enrollment during the second, third or fourth day of summer school will receive a 90 percent refund of tuition and room charges. Students who end enrollment during the fifth, sixth and seventh day of summer school will receive a 50 percent refund of tuition and room charges. There will be no refund after the seventh day of classes.

Notice of Withdrawal

In order to be eligible for a refund upon withdrawal a student must notify the Dean of Student Life in writing of his/her intentions. The student must also check out with the Financial Planning and Bursar's offices. Refunds are calculated as of the date of withdrawal specified by the Dean of Student Life.

*Upon withdrawal, meal plan refunds are prorated.

Financial Aid

Elon College is committed to assisting eligible students in securing the necessary funds for a college education. To the extent possible, eligible students receive aid through careful planning and various forms of financial assistance.

In order to receive any type of college, state or federal aid, students must demonstrate satisfactory academic progress toward the completion of degree requirements. No financial aid is offered until an applicant has been accepted for admission to Elon College; however, prospective freshmen should not wait to be accepted before making application for aid.

Financial aid programs vary by source, eligibility criteria and application procedures. While every effort is made to meet each student's full need, that is not always possible, due to a limited amount of aid available. Students will be offered a financial aid "package" which is an award consisting of one or more of the following types of aid: scholarships, grants, low-interest loans and campus employment. Scholarships and grants are "gift assistance" which do not have to be repaid while loans and work are referred to as "self-help." Financial aid packages may consist of all self help or a combination of self-help and gift assistance. Applying early for financial aid improves your chances for getting the maximum aid for which you are eligible.

57

FINANCIAL ASSISTANCE BASED ON NEED

There are a variety of need-based financial aid programs. The federal government, some states (including North Carolina) and the college itself offer grant, loan and work-study programs. Grants are funds which do not have to be repaid, loans to students are generally repayable only after the student is no longer enrolled, and work-study funds are earned through employment on campus. Many students use work-study funds to meet their personal financial needs during the school year.

All need-based financial aid is renewable up to four years provided the same level of need is demonstrated each year, the student maintains satisfactory academic progress as defined by the college for financial aid purposes and the funds remain available. Renewal cannot be assured to those students whose financial aid application files are completed after March 15 of any year.

Federal Programs

Federal Pell Grant

For students with a high need, Pell Grants provide from \$400 to \$3,000 annually.

Federal Supplemental Educational Opportunity Grants

Federal funds given to and awarded by the college to students demonstrating high need. Amounts vary.

Federal Stafford Student Loans (Subsidized)

Moderate interest loans awarded directly to students which are available through many state agencies and private lenders. Freshmen may borrow up to \$2,625 annually, sophomores up to \$3,500 annually, and juniors and seniors up

to \$5,500 annually. These loans are federally guaranteed and no interest accrues, nor is any payment due, until six months after the student ceases to be at least a half-time student. Separate application required.

Federal Perkins Loans

Federal funds given to and awarded by the college to students demonstrating high need. No interest accrues and no payment is due while the student is enrolled at least half-time. Repayment begins nine months after the student ceases to be at least a half-time student. Amounts vary.

Federal College Work-Study

58

Awarded to students with need who work on campus and who are paid according to hours worked. Awards vary based on amount of need. Work-study earnings are not paid in advance so they cannot be used to pay the direct costs (tuition, room, board, books, etc.) of the semester in which they are awarded.

State Programs

North Carolina Contractual Scholarship Fund

State funds given to and awarded by the college to North Carolina residents with need. Amounts vary.

North Carolina Student Incentive Grant

Awards of up to \$1,500 annually for North Carolina residents.

Pennsylvania and Vermont State Grants

For students who are residents of these states. Amounts vary.

Elon College Programs

In addition to the numerous federal and state programs, the college offers its own need-based assistance. Funds for these programs are provided directly by the college as well as through donations and gifts to the college by many individuals, businesses and foundations. All students who apply for need-based aid and who demonstrate need are automatically considered for these funds. No separate application is required.

Institutional Grants

College grants based solely on demonstrated need. Amounts vary in accordance with need.

Need-based Endowed Scholarships

Awarded to students who demonstrate need and who meet certain other criteria as established by the donors. The college identifies eligible students and awards these funds accordingly. No separate application is required.

FINANCIAL ASSISTANCE NOT BASED ON NEED

There is help available for students and families who do not qualify for need-based aid. This help is in the form of scholarships, grants, loans and work-study. Listed below are some of the opportunities available from Elon, state and federal governments and outside sources.

North Carolina Legislative Tuition Grant

Every North Carolina resident who attends Elon as a full-time undergraduate student automatically receives a Legislative Tuition Grant of approximately \$1,450 from the North Carolina General Assembly. The exact amount of the grant is set annually by the General Assembly. A brief application must be completed at registration to show legal residency.

UCC Ministerial Discount

\$1,000 per year (\$500 per semester) to full-time students who are legal dependents of full-time ministers in the United Church of Christ. Documentation of eligibility is required.

North Carolina Teaching Fellows

Elon is one of only two private colleges in North Carolina selected to offer the prestigious North Carolina Teaching Fellows program. Fellows attending Elon receive a minimum annual funding of \$10,000 for four years plus air fare to London for one semester. \$5,000 is provided by the North Carolina Teaching Fellows commission and an additional \$5,000 is guaranteed by Elon, including the North Carolina Legislative Tuition Grant. Fellows are selected by the Teaching Fellows Commission which provides its \$5,000 per year contribution on the condition that Fellows teach for four years in N.C. public schools after graduation. Elon admits 25 Teaching Fellows each year.

Science Fellows Scholarships

Eight to ten scholarships of \$2,000 annually are awarded to incoming Fellows each year. All Science Fellows must major in either biology, chemistry, physics, mathematics or computer science.

Presidential Scholarships

Presidential Scholarships of \$1,000-\$3,000 annually are awarded to approximately the top one-fourth of the entering freshmen each year. The awards are based on high school course selection, class rank and/or grades and SAT/ACT scores. No separate application is needed. Scholarships are automatically awarded to students who meet the necessary criteria when the completed admissions application is reviewed. All Presidential Scholarships are renewable for a total of four years pending acceptable academic performance.

Fellows Scholarships

Elon's fellows programs offer exciting academic and personal growth opportunities beyond the scope of the usual college experience-opportunities like travel grants, special courses, guaranteed internships or paid research assistantships. In addition, each of the Fellows programs offers scholarships to selected incoming Fellows. To be considered for one of these scholarships, students must apply and be admitted to the Fellows program. The scholarships are renewable for a total of four years provided that all program requirements are met. Although it is possible to be admitted to more than one Fellows program, student may only be awarded on Fellows scholarship. **These Fellows scholarships are awarded in addition to any Presidential Scholarship that has been received.**

Honors Fellows

Eight to ten scholarships of \$2,000 annually and two scholarships of \$5,000 annually are awarded to freshman Honors Fellows each year.

Jefferson-Pilot Business Fellows

One to two scholarships of \$2,000 annually are awarded to incoming Fellows each year. Jefferson-Pilot Business Fellows must major or minor in either business administration, economics or accounting.

Isabella Cannon Leadership Fellows

One to two scholarships of \$2,000 annually are awarded to freshmen Fellows each year.

To receive more information and an application for the Fellows programs, contact the Office of Admissions. Applications must be submitted by February 1.

Fine Arts Scholarships

The Department of Fine Arts awards scholarships to outstanding freshmen in the field of music and theatre on the basis of audition. The scholarship amounts vary. Contact the Fine Arts Department.

Academic Scholarships

In compliance with NCAA Division I regulations, athletic scholarships are awarded by the Department of Intercollegiate Athletics in each sport offered at Elon. The awards are based on performance and the amount varies. Contact the Athletics Department.

Reserve Officers Training Corps (ROTC)

The United States Army offers four-year scholarships which cover the cost of tuition and books for four years, plus \$100 per month for personal expenses. Elon provides room and board at no cost to all four-year ROTC scholarship winners. The Army also offers some two-year scholarships for which students in the Elon ROTC program may compete.

Private Scholarships

Foundations, service clubs, churches and corporations give away millions of dollars of scholarships each year to worthy students. Many Elon students receive this type of scholarship help in addition to other types of help they may be receiving.

Students generally seek these scholarships on their own. A good place to start is by asking your high school guidance office about community and other scholarships with which they may be familiar. Then ask about the availability of scholarships at places where family members are employed, through your church and through any organizations to which family members belong. Finally go to the public library for guidebooks to scholarships from foundations, corporations and government agencies.

Campus Employment

Many Elon students assist with college living expenses by working a part-time job, either on or off campus. The opportunities for campus employment at Elon are available both to students who qualify for need-based assistance and to students who do not.

Students in part-time jobs get valuable experience, learn time-management skills, build friendships with the office personnel and, in certain cases with the approval of the Director of Experiential Education, receive internship credit.

LOAN OPTIONS THAT ARE NOT BASED ON NEED

Several sources of long-term loan funds are available that are based on credit worthiness rather than "need."

Federal Parent Loan for Undergraduate Students (PLUS)

Parents may borrow up to the cost of education (at Elon, \$15,712 for tuition, fees, room and board and \$2748 for books and miscellaneous expenses for 1997-98) less any other aid per academic year for each dependent enrolled at least half-time. Interest rate is variable and is based on the 52-week T-bill rate plus 3.1 percent with a cap of 10 percent.

Federal Stafford Student Loans (unsubsidized)

Available to all students regardless of need. Loan amounts are the same as for the need-based subsidized program. However, under this program, borrowers do not qualify for federal interest subsidy payments, thus interest accrues while the student is in school. Repayment of principal begins six months after the student is no longer enrolled half-time. The interest rate is variable, capped at 9 percent and is based on the 91-day T-bill rate plus 3.1 percent. Separate application required. Note: Students must file an application for need-based financial aid to be considered for one of these loans. A determination must first be made that the student is not eligible for a need-based subsidized loan. (See "How to Apply for Need-Based Financial Aid.")

HOW TO APPLY FOR FINANCIAL AID

- As soon after January 1, 1998, as possible, **but before February 15**, complete and submit a Free Application for Federal Student Aid (FAFSA). All students applying for any kind of federal or institutional financial aid (except PLUS loans) must file the FAFSA. Elon's federal Title IV School Code is **002927**.
- **If you wish to be considered for all aid programs** (not just federal programs), register for the Financial Aid PROFILE service. You should register no later than January 15, 1998. CSS will send you a customized PROFILE application. You should complete and submit the application as soon after January 1, 1998, as possible by **no later than February 15**. Elon's CSS Code is **5183**.
- Complete an Elon College 1998-99 Financial Aid Application. This form may be submitted at any time but, like the forms listed above, it should be submitted **before February 15, 1998**.
- If the student previously attended a college or university other than Elon, request of each such school that a Financial Aid Transcript be sent to Elon. **Financial Aid Transcripts are required whether or not the student received any aid at the other institutions.**
- Certain applications may require that Elon College request additional information. Respond to these requests as soon as they are made.

- Notify Elon's Office of Financial Planning of any scholarships, grants, loans or other assistance you will be receiving from any source other than Elon College. Such notification is required by federal regulation as well as institutional policy and failure to do so may affect previously made financial aid offers.

NEED-BASED FINANCIAL AID APPLICATION PROCESS FOR CONTINUING STUDENTS

Students must reapply for financial aid each academic year. Continuing students currently receiving financial aid will be sent a renewal financial aid packet sometime during late fall. The packet will contain those forms necessary to apply for aid for the 1998-99 academic year. Specific instructions will be included as to how and when to complete the application process.

62

Payment Options

VISA/MasterCard/Discover

Elon College accepts these charge cards for payment of tuition and fees.

Ten-Month Payment Plan

Charges for the entire academic year, minus financial aid, are divided by 10 for monthly payments from June 1 through March 1. This plan is administered by a third party.

Endowed Scholarships

The following scholarships are awarded to students who have completed the application procedures described for need-based aid. Awards are made by the Office of Admissions and Financial Planning according to the guidelines of the individual scholarships.

- Alamance Caswell County Medical Auxiliary Scholarship
- Edward M. Albright Memorial Fund
- Simeon Lee Allen Scholarship
- Nina and Dickie Andrews Scholarship
- Anonymous Endowed Scholarship
- The Rev. J. Frank Apple Memorial Scholarship
- Asheville-Charlotte A. Hebard Scholarship
- J. O. Atkinson Memorial Scholarship
- Barrett-Harward Scholarship
- Mrs. Louise T. Barringer Scholarship
- Thomas L. and Kitty Rook Bass Scholarship
- Walter H. Bass III and Barbara Day Bass Scholarship
- Robert C. Baxter Scholarship
- A. Vance Beck, Sr. and Gwendolyn D. Beck Scholarship
- Robert Charles Beisinger Scholarship
- Fitzgerald-Board Scholarship
- Representative Fred Bowman Scholarship
- Barry A. and Martha F. Bradberry Endowed Scholarship
- Jennie Willis Atkinson Bradford Scholarship
- Ned F. Brannock Scholarship
- Dr. and Mrs. R. E. Brittle Scholarship

- Wesley G. Brogan Honorary Scholarship
- Trudie K. Bueschel Christian Education Scholarship
- Burlington Business and Professional Women's Club Scholarship
- Burlington Handbags Scholarship
- William E. "Buster" Butler, Jr. and Mary Griffin Butler Scholarship
- Byrd Scholarship
- Caddell Memorial Scholarship
- John L. Cameron Scholarship
- The Pauline Nina Taylor Cammack Memorial Scholarship
- Isabella Walton Cannon Scholarship Endowment Fund
- The Dr. George L. Carrington Scholarship
- Fanny Pearle Castor and Frank Stevens Castor Endowment Fund
- Caswell-Alamance Scholarship
- Philip Vance Cates Memorial Scholarship
- The Z. Vance and Philip Vance Cates Scholarship
- Wallace L. Chandler Scholarship
- Frederica Olsson and Constant Woodman Chase, Jr. Scholarship
- Cheek Scholarship
- Class of 1925 Scholarship
- Class of 1930 Scholarship
- Class of 1940 Scholarship
- Class of 1941 Scholarship
- Albert Coltrain Endowed Scholarship
- Community Congregational Church, Southern Pines, NC, Scholarship
- George D. and Sue Watts Colclough Scholarship
- Carl and Betty Coley Scholarship
- Alyse Smith Cooper Music Scholarship
- Janie E. Council Scholarship
- Billy Crocker Jazz Scholarship
- Alan Wheeler Crosby Memorial Scholarship
- Verona Daniels Danieley Scholarship
- T. B. Dawson Scholarship
- Dewey and Alfred Dofflemeyer Scholarship
- William H. and Kathryn M. Duncan Scholarship
- W. Clifton Elder Scholarship
- Ellington Scholarship
- Elon College Community Church Scholarship
- First Christian Church, Portsmouth, Va. Memorial Scholarship
- Clyde Lee and Bertie S. Fields Memorial Scholarship
- Shannon Marie Fields '84 Memorial Endowed Scholarship
- First Union Bank Scholarship
- A. J. Fletcher Music Scholarship
- H. Terry and Nonnie B. Floyd Scholarship
- Lacy R. Fogleman Scholarship of St. Mark's Reformed Church
- Lacy R. Fogleman, Jr. and Laura Ann Fogleman Music Scholarship
- Rudy M. and Frances Turner Fonville Scholarship
- Franklin Congregational Christian Church Scholarship
- E. E. Funderburk, Jr. MD Scholarship
- The Charles A. Frueauff Foundation Scholarship
- Allen Erwin Gant Scholarship
- The John L. Georgeo Scholarship

- Glaxo Women in Science Scholars Endowment
- Glen Raven Mills Educational Award
- The Mills E. and Katherine B. Godwin Scholarship
- Sallie Boren Goley Endowed Presidential Scholarship
- Judge Eugene A. Gordon Scholarship
- Eugene B. and Jo McAdams Grimley Scholarship
- John S. Graves Scholarship
- Griswold-Watts Scholarship
- Mable M. Haith Scholarship
- Jewell Presnell and Carl C. Hall Memorial Scholarship
- Robert Kelley and Pearle J. Hancock Scholarship
- Dr. Howard S. Hardcastle Memorial Scholarship
- Richard Carlisle Haworth Mathematics Scholarship
- Ollie Clemmons Hedrick and Leah Margaret Tickel Hedrick Scholarship
- Edward Everett Holland Scholarship
- Howard Braxton Holmes Memorial Fund
- Vitus Reid Holt Scholarship
- A. L. Hook Scholarship
- Dewey S. Hooper Scholarship
- Bernice and Doris Horne Scholarship
- Kenneth K. and Lucy Caddell Hughes Scholarship
- Alfred W. Hurst Memorial Scholarship
- William Pressley Ingram Scholarship
- Edward, Rena Maude, and Allen Iseley Scholarship
- Archie and Adelaide Israel Scholarship
- Randolph I. Isley, Sr. Scholarship
- Laura and Nelson Jackson Scholarship
- Mr. and Mrs. Burney Jennings Scholarship
- Dr. I. W. Johnson Scholarship
- Ada Smith Johnston Scholarship
- Charles D. Johnston Scholarship
- Effie Wicker Johnston Music Scholarship
- Rebecca Johnston Music Scholarship
- Virginia Somers Jones Scholarship
- John M. Jordan Scholarship
- Lecy Martin Kernodle Scholarship
- Virginia Beale Kernodle Scholarship
- Neill L. Key Scholarship
- Lucian and Lelia King Scholarship
- Sherri Sparrow King Scholarship
- Ralph F. and Florance Kirkpatrick Scholarship
- William A. Klopman, Jr. Memorial Scholarship
- Mildred Godwin Knight Endowed Scholarship
- Tami and Ernest Koury Scholarship
- Hosea D. and Minnie Trollinger Lambeth Scholarship
- Mittie C. Landi '96 Endowed Scholarship
- The Lester Scholarship
- Edward W. W. Lewis Scholarship
- Max Lieberman Scholarship
- Asa Liggett Lincoln Scholarship
- Jack R. and Dorothy C. Lindley Scholarship
- The Luther Alexander Lineberger, Jr. Scholarship
- Claude V. and Alva Lee Currin Long Scholarship
- Wilkes Estes Lowe, Jr. Scholarship
- Zebulon and Alma Lynch Scholarship

- Lynnhaven Colony Congregational Church (UCC) Scholarship
- Sue Boddie Macon Memorial Fund
- Winona Morris Madren Scholarship
- W. L. and Beulah McNeill Maness Scholarship
- William Raymond Massey Scholarship
- J. Mark and Kate Strader McAdams Scholarship
- John Z. and Mildred W. McBrayer Scholarship
- John A. and Iris McEwen McCrary Scholarship
- Robert Rodgers Miskelly Memorial Scholarship
- The Jane Belk Moncure Scholarship
- Mr. and Mrs. B. A. Moser Scholarship
- Niagara Church Scholarship
- Francis Asbury Palmer Scholarship
- Annie Ruth Webb Parker Scholarship
- Mable Somers Peeler Scholarship
- The Vivian Wrenn Pell Scholarship
- Edward T. and Nan P. Perkins Endowed Scholarship
- Wayne H. and Mabel B. Perrine Memorial Scholarship
- The Donald W. and Shirley M. Perry Scholarship
- Paul C. and Margaret S. Plybon Scholarship
- Rex and Ina Mae Powell Scholarship
- O. D. Poythress Scholarship
- The Rev. Lacy M. Presnell Memorial Scholarship
- Presser Scholarship
- Emmett H. and Katherine R. Rawles Scholarship
- Japheth E. Rawls, Jr. and Virginia R. Rawls Endowment Fund
- Paul Reddish Scholarship
- David L. Rice Memorial Scholarship
- Mary Louise and Grady C. Rich Endowed Scholarship
- Howard R. and Virginia E. Richardson Scholarship
- Richmond Almuni Chapter Scholarship
- Bessie Holmes and George B. Robbins Scholarship
- Arthur H. and Trudy B. Rogers Scholarship
- Viola V. and Amos Thornton Rollings Scholarship
- The Royster Scholarship Fund
- Albert Oscar and Mary Susan Rudd Scholarship
- William Lee and Ruth Crosby Rudd Scholarship and Loan Fund
- Sanders-Myers Memorial Scholarship
- Renold O. Schilke Trumpet Scholarship
- The Zondal Myers Sechrest Scholarship
- John Duncan Shaw Scholarship
- Nancy Gordon Sheffield Scholarship
- Dr. Charles E. Shelton Memorial Scholarship
- John L. Sills, Jr. Scholarship
- W. W. and Bessie Pickett Sloan Scholarship
- Smith-Midgett Scholarship for International Study/Travel
- Charles David Smith Endowed Scholarship
- J. Harold Smith Scholarship
- Oscar F. Smith Memorial Foundation Scholarship
- Annie Ross Somers Scholarship
- John and Helene Sparks Scholarship
- Stadler's Country Hams, Inc. Scholarship

- William Wesley Staley Scholarship
- Mary Frances Stamey Memorial Scholarship
- Sigmund Sternberger Scholarships
- Alda June Jones Stevens Memorial Scholarship
- J.R. and Mary Simmons Stogsdill Scholarship
- Elwood E. Stone, Sr. Scholarship
- William H. and Marguerite R. Stratford Scholarship
- Theo Strum Scholarship
- St. Mark's Reformed Church Scholarship
- Suffolk Christian Church Scholarship
- Algernon Sydney Sullivan and Mary Mildred Sullivan Scholarships
- Taylor Scholarship
- Times-News Publishing Company, Inc. Scholarship
- Troxler-Watterson Endowed History Scholarship
- Ashton P. Truitt Endowed Scholarship
- Wallace Lincoln Tuck Scholarship
- Arline Lindsay Tweed Scholarship
- Union United Church of Christ Scholarship
- C. James Velie Memorial Music Scholarship
- Elizabeth B. Vernon Scholarship
- Thyra Wright Vestal Scholarship
- Robert R. Wagner Memorial Scholarship
- Wake Chapel Scholarship
- Catherine N. Walker Scholarship
- Cynthia Nicole Ward Education Endowment
- William I. Ward, Sr. and David Samuel Ward Scholarship
- Judge Thurman Warren and Allie Brower Warren Scholarship
- Dudley Ray Watson Memorial Scholarship
- L. V. and L. B. Watson Scholarship
- Watts Scholarship in Biology
- Linda Thompson Weavil Endowed Scholarship
- The Floyd E. West Scholarship
- Colonel Henry E. White Scholarship
- Margaret Delilah Bobbitt White Scholarship
- Nellie Glenn White Scholarship
- Jeanne Freeman Williams Scholarship
- William Leaford Williams, Jr. and Jo Watts Williams Scholarship
- Minnie Johnston Wilson Scholarship
- Youth Friends Scholarship
- James R. and Nina B. Young Endowment Fund
- John F. Youngblood Scholarship
- Youth Friends Scholarship

Leaders for the Twenty-First Century Scholarships

The following endowed scholarships, which are provided through the generosity of private donors, are awarded to the students who meet the criteria for the North Carolina Teaching, Honors and Leadership Fellows.

- Frederick Wharton Beazley Scholarship
- Carol Grotnes Belk Endowment
- Brannon-Sugg Scholarship
- Class of 1938 Centennial Scholarship
- J. E. Danielely Scholarship
- Thad Eure Scholarship
- Mary Ruth and Archibale F. Fleming, Jr. Scholarship

- The Frederick K. Gilliam, Sr. Scholarship
- Don S. and Margaret M. Holt Scholarship
- Margaret Plonk and S. Carlyle Isley Scholarship
- Juanita Wheeler Keeton Scholarship
- Esther Cole and John Robert Kernodle Endowment
- Luther A. and Georgia V. Lineberger Memorial Scholarship
- C. Almon "Mon" McIver Centennial Scholarship
- Virginia Green Miles, W. Bennett Miles, and Ellen Miles Dumville Memorial Fund
- Hurley D. Rogers Memorial Scholarship
- Bertha Paschall Shipp Scholarship
- Southern Bell Fellow Scholarship
- Thomas R. "Bud" and Doris Ward Stadler Scholarship

Presidential Scholarships

Elon's past presidents are honored with Presidential Scholarships which are awarded to freshmen.

- William S. Long, founder and first president, 1889-94
- William Wesley Staley, 1894-1905
- Emmett Leonidas Moffitt, 1905-11
- William Allen Harper, 1911-31
- Leon Edgar Smith, 1931-57
- James Earl Danielew, 1957-73

Endowed Athletics Scholarships

Endowments for grants-in-aid in athletics are administered through the Department of Athletics in accordance with NCAA, Conference and institutional guidelines. These endowments are made possible through the generosity of private donors.

- A. Frank Andrews Golf Scholarship
- Kimberly Ann Barkman Memorial Scholarship
- R. H. Barringer Distribution Co., Inc. Tennis Endowment
- Rufus T. Blanchard Baseball Scholarship
- Gene Clate Brewer Football Scholarship
- C. V. "Lefty" Briggs Athletic Scholarship
- Luther Byrd Scholarship
- The Comer Golf Scholarship
- Dwight L. Dillon Athletic Scholarship
- John L. Frye Scholarship
- Chester Huey Scholarship
- Clyde Johnston Golf Scholarship
- Graham "Doc" Mathis Athletic Scholarship
- Florence and L. G. Matkins Scholarship
- William R. "Bill" Miller Basketball Scholarship
- L. J. "Hap" Perry Athletic Scholarship
- Rhodes-Ford Sports Medicine Award
- Tom Sawyer-Huck Finn Tennis Scholarship
- William Brown "Bill" Terrell Scholarship
- Sid Varney Scholarship
- D. C. "Peahead" Walker Scholarship

- Clyde T. and Esther Ward Golf Scholarship
- Max Ward Scholarship
- Rachel and Bethany Ward Scholarship
- Mr. and Mrs. W. Hunt Ward Golf Scholarship
- Charles Lewis Wilburn and Verna Wilburn Lee Basketball Scholarship
- S. S. "Red" Wilson Football Scholarship
- C. Carl Woods Athletic Scholarship

Endowment and Sources of Income

68

The income from tuition and fees constitutes only a part of the income of the college. Other sources of income include the annual gifts from the churches of the Southern Conference of the United Church of Christ; a share of the contributions received by the Independent College of North Carolina; earnings from the permanent endowment funds of the college; and the contributions of individuals, foundations, businesses and industries.

In addition to the general endowment funds of the college, special endowment funds have been established for specific purposes.

- John W. Barney Memorial Award
- Biomedical Reference Laboratory Program
- Boone Memorial Fund
- James H. R. Booth Fund
- Kathleen Price and Joseph M. Bryan Family Foundation Endowment for Faculty Development
- Isabella Cannon Leadership Program Endowment Fund
- Philip L. Carret Endowed Fund for the Jefferson Prize
- George R. Chandler Endowment Fund
- Thomas W. and Mary Watson Chandler Endowment Fund
- Civil War Collection Endowment Fund
- The Daniels-Danieley Award
- Dwight Merrimon Davidson Endowment Fund
- Elbert and Esther Fertig DeCoursey Fund
- Milton A. and Naomi F. Dofflemyer Fund
- James P. Elder Jr. Lectureship
- Elon College Community Orchestra Endowment Fund
- George Joseph Fertig Fund
- A. J. Fletcher Professorship in Communications
- D. R. Fonville Sr. Fund
- Ford Foundation Grant
- Ella V. Gray Memorial Fund
- George W. Harden Trust
- The G. Thomas Holmes and Gladys Wright Holmes Endowment for Chemistry
- Jackson Fund
- Sidney F. Jackson and Kathleen E. Jackson Lectureship
- The Jefferson-Pilot Distinguished Professorship
- J. L. Kernodle Foundation
- John T. Kernodle Memorial Fund
- Peter Jefferson Kernodle and Louise Nurney Kernodle Memorial Fund
- Virginia Beale Kernodle Memorial Fund

- Kresge Science Equipment Fund
- Literature, Languages and Communications Endowment
- Marjorie L. Long Lecture Series
- The Martha and Spencer Love School of Business Fund
- Iris Holt McEwen Community Service Award
- The James H. McEwen Jr. Endowment Fund
- Sarah M. Moize Endowment Fund
- Mulholland Library Endowment Fund
- NCNB Corporation Endowment for Field Studies
- The Rex and Ina Mae Powell Lecture Series
- Sophia Maude Sharpe Powell Professorship
- The Thomas Edward Powell Jr. Professorship of Biology
- The Religion Scholar Award
- Ferris E. Reynolds Lectureship
- George Shackley Award
- Ella Brunk Smith Award
- Spence Endowment Fund
- Stokes Endowment
- William J. Story Sr. Professorship
- Martha Cline Swanson Endowed Research Fund
- James T. Toney Endowment Fund
- L.L. Vaughan Chemistry Fund
- Drusilla Dofflemeyer Voorhees Fund
- Wachovia Fund for Excellence
- Watts/Thompson Endowed Chair
- The Walter and Dorothy Westafer Fund for the Fine Arts
- Milton G. Wicker Endowment Fund

ALAMANCE



General Academic Regulations

Registration and Courses

71

Classification

Classifications are made at the beginning of the college year in August.

- Freshman
1-27 semester hours completed
- Sophomore
28-61 semester hours completed
- Junior
62-95 semester hours completed
- Senior
96 or more semester hours completed

Course Load

Sixteen hours of college work per semester is considered the normal student load. Students who are on academic probation are limited to a maximum load of 12 semester hours in fall and spring semesters.

During the one-month winter term, four hours of college work is the normal load for all students.

Maximum load for any one semester is as follows:

- Fall and Spring Semesters, 18 semester hours
- Winter Term, 4 semester hours
- Summer Term, 8 semester hours

Any exception to this policy is the responsibility of the Academic Vice President's Office.

Course Registration

Students are expected to register for themselves on the designated days in August, January and February. Registration information is available to all students. Registration includes academic advising, selection of courses and payment of fees. Before preregistration or registration, each student should consult with his/her academic advisor on course selection, General Studies requirements, major requirements and other degree requirements. However, it is the responsibility of the student, not the academic advisor, to ensure that all college graduation requirements are met.

Registration is for an entire course, and a student who begins a course must complete it except in unusual circumstances. Unless the student and his/her advisor consider it essential, a student should not change his/her schedule after registration.

Auditing Courses

Persons wishing to attend certain courses regularly without doing the assigned preparation or receiving credit may do so with the approval of the Registrar. The cost is \$125 for each course.

Changes in Class and Schedule

72

The college reserves the right to cancel or discontinue any course because of small enrollment or for other reasons deemed necessary. In order to assure quality instruction, the college reserves the right to close registration when the maximum enrollment has been reached. The college reserves the right to make changes in schedule and/or faculty when necessary.

Credit by Examination (Course Challenge)

A student may receive credit for a course not taken by demonstrating mastery of its subject matter. To challenge a course, a student must have the approval of the Dean of Academic Affairs, the chair of the department in which the course is offered and the professor who will test the student's mastery of the subject matter. Whenever possible, the student should consult the professor far enough in advance of the term in which the examination will be taken to determine course requirements and standards and to begin to make independent preparations. However, the student should expect no assistance from the professor other than being informed of the material to be covered on the examination. Under no circumstances shall a student be allowed to attend classes of the course being challenged. The cost for each examination is \$242.

Dropping Courses

A student may officially drop any class with a "W" (withdraw without penalty) through half of the term—this includes the week of examinations. The withdrawal period applies to the regular semesters, classes taught for one half semester, winter term and the summer sessions. After that date no class may be dropped. Any exception to this policy is the responsibility of the appropriate Academic Dean's office.

A student who withdraws from the college for any reason (except for a medical reason) receives grades of "W" if the withdrawal is before the designated half-term time period. After this time a student will receive a "W" or "F" depending on his/her grades at the time of withdrawal. A student who withdraws from the college with a medical withdrawal will receive a "WD."

Independent Study

Students may engage in independent study of catalog courses and special topics. Independent Study is limited to Elon's honors students, juniors and

seniors. A course may not be repeated by Independent Study. Details concerning the procedure for developing an Independent Study proposal may be obtained in the Registrar's Office.

Undergraduate Research

Undergraduate Research is an effort to discover something new, or to look at something from a new perspective. Students may earn academic credit for research undertaken with a faculty mentor. Research projects must include a review of the relevant research literature, research design, and significant participation in the actual conduct of the research, including analysis and interpretation. A written report is considered essential, a copy of which should be made available in the department office. Undergraduate research credit can be obtained by registering for a course numbered 499 and is limited to students with sophomore, junior or senior standing and a minimum GPA of 2.5. A limit of 8 credit hours of undergraduate research can be applied toward graduation.

73

Overload

A student whose cumulative grade point average is less than 3.0 may not register for overload hours in any term. See page 71 on course load.

Pass/Fail Elective Courses

A student may take two one-semester courses outside the major, minor and General Studies requirements on a pass/fail basis. The pass/fail option encourages students to enrich their educational experience in subjects outside their major/minor fields and General Studies requirements in which they may feel unable to maintain a desirable grade point average. The decision to take a course pass/fail must be made at registration before the first class period.

Repeat Courses

Courses repeated within four semesters of attendance (excluding winter and summer sessions) following the first enrollment in the course count only once in computing the cumulative grade point average. In such cases the most recent grade is counted rather than any previous grade(s) received. However, a course repeated more than once will count in the cumulative grade point average each time it is repeated. A course in which an "F" was received due to a violation of the Academic Honor Code may be repeated; however, the original grade will count in the cumulative grade point average. (Students receiving Veterans' benefits should consult the V.A. representative.)

Attendance

Since students must attend classes regularly in order to derive maximum benefit from their courses, the college strictly and fairly enforces policies governing classes, and students are responsible for knowing attendance regulations. Each department establishes its own attendance policy. If unwarranted absences occur, the Academic Vice-President may suspend the student from the class or from the college.

Absence From Tests and Examinations

Students who miss scheduled tests and examinations without excusable reasons may not make up such assignments. Authorization to make up tests missed for excusable reasons is obtained from the professor of the class. Final exam scheduled dates and times should not be changed for individual students or classes without prior approval from the appropriate Division Dean. Permission to make up missed exams must be secured from the Divisional Dean. This permission is ordinarily not given except on the basis of a medical statement.

74 **Grades and Reports**

Grading System and Quality Points

Graduation is dependent upon quality as well as upon quantity of work done.

A student earns quality points as well as semester hours if his/her level of performance does not fall below that of a "D-."

Letter grades are used. They are interpreted in the table below, with the quality points for each hour of credit shown at right.

<u>Grade</u>	<u>Quality Points</u>
A	4.0
A-	3.7
B+	3.3
B	3.0
B-	2.7
C+	2.3
C	2.0
C-	1.7
D+	1.3
D	1.0
D-	0.7
F	0.0
I Incomplete	0.0
P Passing (not counted in cumulative average)	0.0
S Satisfactory (not counted in cumulative average)	0.0
U Unsatisfactory (counted in cumulative average)	0.0
WD Medical withdrawal	0.0
W Withdrawal	0.0
NR No Report	0.0

A grade in the "A" range indicates distinguished performance in a course.

A grade in the "B" range indicates an above-average performance in class.

A grade in the "C" range indicates an average performance in which a basic understanding of the subject has been demonstrated.

A grade in the "D" range indicates a passing performance despite some deficiencies.

A grade of "F" indicates failure.

Grades of "A" through "F" are permanent grades and may not be changed except in case of error. After an instructor has certified a grade to the Registrar, he/she may change it before the end of the next regular grading period. The change must be made in writing and have the written approval of the department chair.

An "I" grade signifies incomplete work because of illness, emergency, extreme hardship or self-paced courses. An "I" grade is normally not given when a student has missed more than 30% of the class work. It is not given for a student missing the final examination unless excused by the appropriate dean upon communication from the student. The student receiving a grade of "I" completes all work no later than nine class days after mid-semester grades are due during the following semester. A final grade is submitted to the Registrar by the instructor the following Monday. After this date the "I" grade automatically changes to "F" unless an extension is granted by the Vice-President of Academic Affairs.

75

Grade Point Average (GPA)

The grade point average is computed by dividing the total quality points on work attempted at Elon College by the number of hours attempted except for courses with grades of "P," "S," "WD," or "W."

Grade Reports

Students are graded at mid-semester as well as at the end of each semester. Mid-semester grades serve as progress reports and are not entered on students' permanent records.

President's and Dean's Lists

The Dean's List recognizes and encourages excellence in academic work. A student who has no grade below a "B-" and a grade point average of at least 3.4 in a minimum of 12 semester hours in any semester is placed on the Dean's List for the following semester. Those students who have no grade below an "A-" in a minimum of 12 semester hours in any semester are placed on the President's List. Classes passed on a Pass/Fail basis or classes with grades of "S," "WD" or "W" are not included in Dean's List or President's List eligibility.

Graduation With Honors

Students completing at least 66 credit hours at Elon College may be graduated with honors. Candidates for graduation with an average of 3.9 or above are graduated summa cum laude; those with 3.7 or above, magna cum laude; and those with 3.4 or above, cum laude. In computing eligibility for honors, only work attempted at Elon College will be used.

Elon College provides a comprehensive Honors Program for all students of all majors. Emphasis is placed on honors courses, special academic advising, preparation for graduate school and special activities. Honors Program students who complete a minimum of 25 hours of honors experience and maintain a cumulative GPA of 3.2 will receive "Honors Fellow" recognition at graduation.

Access to Student Educational Records

76

Elon College complies with the Family Educational Rights and Privacy Act of 1974. This Act protects the privacy of educational records, establishes the right of students to inspect and review their educational records and provides guidelines for the correction of inaccurate or misleading data through informal and formal hearings. Students also have the right to file complaints with the Family Educational Rights and Privacy Act Office (FERPA) concerning alleged failures by the institution to comply with the Act.

Questions concerning the Family Educational Rights and Privacy Act may be referred to the Office of the Registrar.

Transcripts of Student Records

Requests for copies of a student's record should be made to the Office of the Registrar. All transcripts reflect the student's complete academic record. No transcripts are issued without the written authorization of the student. No transcript is issued for a student who has a financial obligation to the college.

Work at Other Institutions

Students who plan to take courses at other institutions must have the prior written permission of the Registrar. Currently enrolled students must have a minimum 2.0 GPA in order to transfer course credit from another institution to Elon College. After completion of such courses, the student presents an official transcript of his/her record to the Registrar.

Academic Standards and Withdrawal

Academic Standing

Academic standing is determined by the earned grade point average for any one semester of attendance and for cumulative work. A student whose cumulative grade point average falls below 2.0 is reviewed by the Academic Standing Committee and placed on academic probation or academic suspension.

Probation

Students are notified that their grade point average is below 2.0, that they are limited to a maximum load of 12 semester hours, and that three consecutive semesters on probation will result in suspension.

Suspension

Students are separated from Elon College and one academic semester must elapse before they are eligible for readmission.

In order to continue at the college a student must earn a minimum grade point average each semester of 1.0 and at the end of spring semester have:

- Freshman
1-27 semester hours completed, 1.70 grade point average
- Sophomore
28-61 semester hours completed, 1.80 grade point average
- Junior
62-95 semester hours completed, 1.90 grade point average
- Senior
96 semester hours completed, 2.0 grade point average

77

Any student failing to meet these guidelines will be academically ineligible for the next semester and suspended from the college. During the suspension period which includes fall or spring semester, the student may apply for readmission and, if readmitted, will be placed on academic probation. A student who is suspended a second time for academic reasons is normally not readmitted to the college.

Dismissal

The college reserves the right to suspend or dismiss any student(s) when it believes that such action is in the best interest of the institution and/or the student(s). This action will take place only after careful consideration with the student(s) in question and all other parties with information pertinent to the matter at hand.

Withdrawal

If for any reason a student concludes that he/she must leave the college on a temporary or long-term basis, he/she must confer with the Office of Student Life to formalize plans. Faculty will be requested to report student progress in class at the time of withdrawal by indicating either a "W" or "F" grade. A student withdrawing with medical reasons will receive grades of "WD." The official record of the student cannot be cleared until the withdrawal is complete.



Academic Regulations

Undergraduate Degree Requirements

Degrees and Major Fields

Bachelor of Arts (A.B.)

Art	International Studies
Biology	Journalism
Chemistry	Mathematics
Communications (Broadcast, Corporate and Film)	Music
Computer Science	Music Performance
Economics	Philosophy
Education	Physics
Elementary (K-6)	Political Science
Middle Grades (6-9)	Psychology
Secondary Certification (9-12)	Public Administration
Special Education/LD (K-12)	Religious Studies
English	Science Education
French	Social Science Education
History	Sociology
Human Services	Spanish
Independent Major	Theatre Arts

Bachelor of Fine Arts (B.F.A.)

Music Theatre

Bachelor of Science (B.S.)

Accounting	Health Education
Biology	Leisure/Sport Management
Business Administration (Management, Finance, Marketing, International Management and Management Information Systems)	Mathematics
Chemistry	Medical Technology
Environmental Studies	Music Education
	Physical Education
	Physics
	Sports Medicine

For graduate programs see pages 233-239 and/or the Graduate Catalog.

Bachelor's Degree Requirements

Elon College offers an academic program consisting of a minimum of 132 semester hours of credit for the bachelor's degree. The degree consists of a major field of concentration in the liberal arts or in a professional or preprofessional area, a General Studies program and elective courses. To earn a baccalaureate degree the student completes the academic program below:

1. Satisfactory work in one major subject
2. Completion of General Studies as follows:

a. First-Year Core

- (1) General Studies 110 The Global Experience 4
- (2) General Studies/English 110 4
- (3) General Studies/Mathematics (MTH 110 or higher) 4
- (4) General Studies/HED 110 Wellness 3

b. Experiential Learning (one unit)

c. Liberal Studies

- (1) Expression 8

Eight hours chosen from at least two of the following: literature (in English or foreign languages), philosophy and fine arts (art, dance, fine arts, music, music theatre and theatre arts).
At least one course must be literature.

- (2) Civilization 8

Eight hours chosen from at least two of the following: history, foreign languages and religion. Or eight hours chosen from foreign languages.

- (3) Society 8

Eight hours chosen from at least two of the following: economics, geography, political science, psychology and sociology

- (4) Science/Analysis 8

Eight hours chosen from one or more of the following: mathematics, computer science (must have the CSC department designation) and science. At least one course must be a physical or biological laboratory science.

d. Advanced Studies 12

Eight hours of Advanced level* courses outside the major field chosen from at least two of the four areas listed under Liberal Studies (8sh)

One General Studies Interdisciplinary Seminar (4sh)

Total hours 59

* Advanced level courses consist of courses numbered at the 300-400 level and certain 200 level courses that have been approved by the General Studies Council. Such courses would be marked in the schedule books for each semester and in the academic catalog.

3. Electives
4. Satisfactory completion of General Studies competency assessments in the freshman and sophomore years
5. Satisfactory completion of a comprehensive evaluation in the major field of study
6. A minimum of 36 semester hours of junior/senior level work
7. One full academic year of study at Elon (33 semester hours or more), including the last term before graduation
8. Twice as many quality points as credit hours attempted must be earned
9. Participation in commencement exercises

Students must demonstrate competence in English and Mathematics or successfully complete English 100 and Mathematics 100 before beginning English 110 and the mathematics requirement in the First-Year Core.

Students who have not passed Algebra II should make up this deficiency by taking Mathematics 100 during the freshman year.

Students who have not had two years of one foreign language in secondary school must make up this deficiency by taking a first level 110 foreign language course. Courses taken to remove this deficiency will not satisfy the General Studies requirements.

A maximum of 16 semester hours of internship/cooperative education credit may be applied to the 132 semester hours required for the A.B., B.S. and B.F.A. degrees.

Students must apply for graduation by the dates published by the Registrar.

A student may graduate under the provisions of the catalog published the year of first enrollment, provided the course of study is completed within five years. After the interval of five years, a student's credits will be subject to review by the Vice President for Academic Affairs.

Students who qualify for more than one major must select the primary major for which they will receive a Bachelor's degree. No student will be awarded two degrees at commencement.

It is the student's responsibility to be familiar with the preceding requirements for graduation.

The Major

A minimum grade point average of 2.0 in the requirements for the major is required for graduation. Bachelor of Arts majors require 32-52 semester hours of credit. Bachelor of Science or Bachelor of Fine Arts majors require 32-68 semester hours of credit. The student may elect to complete more than one major. No later than the beginning of the junior year, each candidate for a Bachelor's degree must select a major field. Requirements for each major are listed with the courses of instruction.

The Minor

A candidate for the Bachelor's degree may elect a field (or fields) of minor concentration, consisting of 16-24 semester hours with a minimum grade point average of 2.0.

82



Courses

The departments of instruction are organized into five general divisions. These include areas of learning arranged as follows:

Division of Arts and Humanities: Art, Communication, Dance, English, Film Studies, Fine Arts, French, Journalism, Music, Music Theatre, Philosophy, Religious Studies, Spanish and Theatre Arts.

Division of Sciences and Mathematics: Biology, Chemistry, Computing Sciences, Environmental Studies, Mathematics, Medical Technology and Physics.

Division of Social Sciences: African/African-American Studies, Anthropology, Cooperative Education, Criminal Justice, Geography, History, Human Services, International Studies, Political Science, Psychology, Public Administration, Sociology and Women's Studies.

Division of Education and Health, Physical Education and Leisure/Sport Management: Education, Health Education, Leisure/Sport Management, Military Science, Physical Education and Sports Medicine.

The Martha and Spencer Love School of Business: Accounting and Finance, Business Administration, Economics.

Courses numbered 100-199 are freshman level, 200-299 are sophomore level and 300 and above are junior/senior level.

ACCOUNTING AND FINANCE

The Martha and Spencer Love School of Business

Dean of Love School of Business: Professor Burbridge

Chair, Department of Accounting and Finance: Associate Professor McGregor

Associate Professor: Synn

Assistant Professors: Cox, Gibney, Poulson

Instructor: Parks

Accounting involves measuring business activities and communicating this information to investors, creditors and other decision makers, who use it to make sound, informed financial decisions. This practice serves to encourage investment activity, which in turn creates jobs and helps the economy to grow.

Elon's program leading to the B.S. in accounting includes the central topics of financial and managerial accounting plus an introduction to taxation, auditing and commercial law. The accounting program prepares the graduate to be a professional accountant in public accounting, industry and not-for-profit organizations. This degree can also serve as a basis for graduate study in accounting and other fields, including business administration and law.

A major in Accounting requires the following courses:

MTH 116	Applied Mathematics with Calculus	4 sh or
MTH 121	Calculus and Analytic Geometry I	4 sh
ECO 201	Principles of Economics	4 sh
ECO 202	Statistics for Economics and Business	4 sh
CIS 116	Microcomputer Applications	4 sh
BUS 221	Business Law	2 sh
BUS 323	Principles of Management	4 sh
BUS 418	Commercial Law	4 sh
FIN 343	Managerial Finance	4 sh
ACC 201	Principles of Financial Accounting I	4 sh
ACC 202	Principles of Management Accounting	2 sh
ACC 203	Principles of Financial Accounting II	2 sh
ACC 331	Intermediate Accounting I	4 sh
ACC 332	Intermediate Accounting II	4 sh
ACC 336	Cost Accounting	4 sh
ACC 341	Fundamentals of Income Taxation	4 sh
ACC 442	Advanced Taxation	4 sh
ACC 451	Advanced Financial Accounting	4 sh
ACC 456	Auditing	4 sh

TOTAL **66 sh**

A minor in Accounting requires the following courses:

ACC 201	Principles of Financial Accounting I	4 sh
ACC 202	Principles of Management Accounting	2 sh
ACC 203	Principles of Financial Accounting II	2 sh
ACC 331	Intermediate Accounting I	4 sh
	Two additional Accounting courses	8 sh

TOTAL **20 sh**

ACC 201. PRINCIPLES OF FINANCIAL ACCOUNTING I

4 sh

In this introduction to the financial reporting process, study emphasizes the accrual basis of accounting. Students learn to prepare and interpret income statements and balance sheets, analyze business transactions and determine the effects of transactions on assets and equities. Offered fall and spring.

and make decisions for their organizations. The course also covers the concepts of cost behavior, cost-volume-profit analysis and the preparation of budgets. Prerequisite: ACC 201. Offered fall and spring.

ACC 202. PRINCIPLES OF MANAGEMENT ACCOUNTING

2 sh

Students gain an overview of the ways accounting information helps managers as they plan, develop control procedures

ACC 203. PRINCIPLES OF FINANCIAL ACCOUNTING II

2 sh

This course continues the study of financial reporting and transaction analysis that began in ACC 201 and introduces the student to some of the procedures used by accountants to organize and summarize financial information. Students learn how

journals and ledgers are prepared and how the components of an accounting system interrelate to provide the information needed for the preparation of financial reports. Prerequisite: ACC 201. Offered fall and spring.

ACC 331. INTERMEDIATE ACCOUNTING I 4 sh

Intermediate Accounting begins an in-depth study of generally accepted accounting principles and their theoretical basis. Students explore the contents of and interrelationships among the balance sheet, income statement and statement of cash flows, along with techniques for analyzing and correcting errors. Some of the more important accounting standards of the Financial Accounting Standards Board are included. Prerequisites: ACC 201, 202 and 203. Offered fall and spring.

ACC 332. INTERMEDIATE ACCOUNTING II 4 sh

This continuation of the in-depth study of financial accounting (begun in ACC 331) emphasizes long-term liabilities and stockholder's equity, accounting for leases, pensions and other post-employment benefits and deferred income taxes. Prerequisite: ACC 331. Offered spring.

ACC 336. COST ACCOUNTING 4 sh

In cost accounting, students examine methods for gathering and analyzing production cost data, which managers use to plan, budget and set prices for their products, with emphasis on the job order costing, process costing and standard costing methods and the interpretation of data produced by each system. Prerequisites: ACC 201, 202 and 203. Offered spring.

ACC 341. FUNDAMENTALS OF INCOME TAXATION 4 sh

This introduction to the structure of the federal income tax system emphasizes the theories, procedures and rationale associated with the taxation of individuals. Prerequisite: ACC 203. Offered fall.

FIN 343. MANAGERIAL FINANCE 4 sh

The study of corporate managerial functions from the finance perspective covers the principle elements of financial management, including financial analysis and control, working capital administration, capital budgeting, valuation theory, capital structure and leverage, and debt and equity instruments. Prerequisites: ACC 201, ECO 201, 202 and CIS 116. Offered fall and spring.

ACC 365. ACCOUNTING APPLICATIONS 4 sh

Topics vary yearly in this study of practical uses of accounting in various business functions. Prerequisite: permission of instructor, may vary with topic. Offered winter.

FIN 413. ADVANCED MANAGERIAL FINANCE 4 sh

The in-depth study of financial management from the perspective of valutive theory involves discussions of topics such as security evaluation and capital budgeting within the framework of the Capital Asset Pricing Model. Study relates cost of capital, capital structure and leverage to valuation concepts. Examination of long-term financing includes studies of leasing as well as warrants, convertibles and options. Valuation impacts of mergers and reorganizations are also covered. Prerequisite: FIN 343.

FIN 416. FUNDAMENTALS OF INSURANCE 4 sh

This course provides a study of the basic principles of insurance contracts and the scope of coverage under the several divisions of insurance, including life, fire, casualty, marine, bond and automobile insurance. Prerequisite: FIN 343.

FIN 421. INVESTMENT PRINCIPLES 4 sh

Study centers on managing investment funds according to a predetermined goal, emphasizing safety, income and marketability, diversification and vigilance, and analysis of company

management and industry trends to determine the value of securities. Prerequisite: FIN 343. Offered fall.

ACC 442. ADVANCED TAXATION 4 sh

With advanced study of taxation, including the income taxation of corporations, partnerships and estates, students will learn to locate relevant information in regulations, revenue rulings and court cases. They will report their findings in the form of written reports and memoranda. Prerequisite: ACC 341. Offered spring.

FIN 445. SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT 4 sh

This course teaches the application of tools and techniques for appraising the economy, specific industries and companies, emphasizing securities markets from the perspectives of institutional portfolio managers or personal investors. Prerequisite: FIN 343.

ACC 451. ADVANCED FINANCIAL ACCOUNTING 4 sh

Continuing the in-depth study of financial accounting that began in Intermediate Accounting (ACC 331, 332), this course includes accounting for business combinations, with special emphasis on preparing consolidated financial statements for parent and

subsidiary corporations. Accounting for governmental units and other not-for-profit organizations is also introduced. Prerequisite: ACC 331 and 332, or ACC 331 and concurrent enrollment in ACC 332. Offered fall.

ACC 456. AUDITING 4 sh

Study of auditing covers both theory and practice, including ethics, generally accepted auditing standards, internal accounting controls, auditors working papers, the components of audit risk, compliance testing and substantive testing. Prerequisite: ACC 331. Offered spring.

FIN 471. SEMINAR: SPECIAL TOPICS 1-4 sh

This upper level seminar, an advanced study requiring active participation by students, consists of readings, problems, reports, discussions of current topics, or preparation for professional examinations. May be conducted by departmental faculty or other resource persons. Prerequisite: permission of instructor, may vary with topic.

ACC 481. INTERNSHIP IN ACCOUNTING 1-8 sh

ACC 491. INDEPENDENT STUDY 1-4 sh

AFRICAN/AFRICAN-AMERICAN STUDIES

Coordinator: Associate Professor Boyd

African/African-American Studies takes an interdisciplinary approach to study two cultures and connect the past with the present. The program, developed in 1994, allows the student to select from a current group of courses approved by an advisory group. Through connected study the student not only takes a fresh approach to learning but also develops an individualized study plan.

This program is highly recommended for those persons in education and programs leading to multi-cultural relations. The minor consists of a minimum of 20 credit hours including a capstone course.

A minor in African/African-American Studies requires the following:

Twenty semester hours selected from the following:

ENG 238 African-American Literature pre-1945 4 sh

ENG 239	African-American Literature since 1945	4 sh
ENG 359	African-American Novels	4 sh
ENG 363	Literature and Culture; India, Africa, & West Indies (or equivalent)	4 sh
HST 313	Modern Africa	4 sh
HST 314	History of Southern Africa	4 sh
HST 363	African-American History, 1850-Present	4 sh
POL 367	African Politics	4 sh
SOC 341	Ethnic and Race Relations	4 sh
AAA 361-9	Seminars in African/African-American Studies	4 sh
AAA 491	Independent Study	4 sh

TOTAL	20 sh
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**AAA 361-369. SEMINARS IN AFRICAN/
AFRICAN-AMERICAN
STUDIES**

4 sh

Interdisciplinary seminars focus on modern scholarship in African and

African-American Studies. Topics vary according to course theme.

**AAA 491. INDEPENDENT
STUDY**

1-4 sh

ART

Chair, Department of Visual Arts: Assistant Professor Anne Simpkins

Associate Professor: M. Sanford

Assistant Professor: Hassell

Adjunct Instructors: J. Henricks

The Department of Art provides students with many opportunities to develop their visual awareness, engage in creative activity and to understand and critique their visual heritage. The major and minor in art are designed to develop a strong background in the language of design, drawing and art history. Students select a particular medium for further study and exploration. Courses in drawing, ceramics, photography and painting are available at advanced levels and are supported by well-equipped studio facilities.

An active exhibition program in the campus galleries consistently exposes students to works by regional, national and international artists. Many of them also visit our campus to meet and work with art students. The many outstanding museums in the area and winter term travel courses expand the opportunities for students to come into contact with the world's great art and the contemporary scene.

The B.A. in art builds on Elon's strong liberal arts program to produce creative thinkers who are prepared for further professional and educational challenges.

A major in Art requires the following courses:

ART 112	Fundamentals of Design	4 sh
ART 201	Drawing I	4 sh
ART 310	Art History I	4 sh
ART 311	Art History II	4 sh
ART 461	Senior Seminar	2 sh

Three courses in a studio sequence	12 sh
Three electives in Art, four hours of which must be at the 300-400 level	12 sh
TOTAL	42 sh

A minor in Art requires the following courses:

ART 112	Fundamentals of Design	4 sh
ART 201	Drawing I	4 sh
ART 310	Art History I	4 sh
ART 311	Art History II	4 sh
Eight semester hours which includes the completion of a two-course sequence		8 sh
TOTAL		24 sh

It is recommended that Art 112 and Art 201 be taken before the elective courses in sequence.

ART 110. INTRODUCTION TO STUDIO ART

4 sh

This course explores basic vocabulary and processes of studio art, emphasizing creative problem-solving and craftsmanship in using various materials.

ART 111. INTRODUCTION TO THE VISUAL ARTS

4 sh

This course introduces the general concepts, themes and major movements of art and architecture. Students also explore these historical traditions through hands-on activities in a variety of media.

ART 112. FUNDAMENTALS OF DESIGN

4 sh

This introduction to the fundamental principles and processes of two-dimensional and three-dimensional design uses a variety of media. Emphasis is placed on problem-solving, craftsmanship, creative exploration and effective use of the language of art. Material fee: \$30. Offered fall and spring.

ART 200. CERAMICS I

4 sh

This introduction to principles and processes of working with clay and glazes emphasizes basic construction techniques and kiln firing. Material fee: \$30. Offered fall and spring.

ART 201. DRAWING I

4 sh

Students learn the fundamentals of drawing and composition using various media. Material fee: \$30. Offered fall and spring.

ART 202. PAINTING I

4 sh

Painting I introduces the techniques of painting and composition in oils, with additional emphasis on color theory and creative exploration of the medium. Material fee: \$75. Offered fall.

ART 203. WATERCOLOR

4 sh

Course work studies various techniques of painting and composition with watercolor, emphasizing color theory and creative exploration of the medium. Material fee: \$40.

ART 204. PRINTMAKING

4 sh

Students become familiar with the basic processes of printmaking, with emphasis on the technical processes, design elements and the terms and concepts of the medium. Material fee: \$30.

ART 205. PHOTOGRAPHY I

4 sh

Photography I introduces students to the techniques, processes and language of photography. Emphasis is placed on the expressive qualities of the medium by making pictures that communicate individual experiences and ideas. Laboratory experience included.

No prior experience necessary; students must provide a 35mm camera. |
Lab fee: \$50. Offered fall and spring.

ART 300. CERAMICS II 4 sh

Students continue from ART 200, with emphasis on wheel thrown forms, glaze mixing, kiln firing and studio management. Prerequisite: ART 200. Material fee: \$30.

ART 301. DRAWING II 4 sh

A continuation of ART 201, this course emphasizes composition, critical analysis and productive exploration through more extended studies in a variety of media. Prerequisite: ART 201. Material fee: \$30.

ART 302. PAINTING II 4 sh

A continuation of ART 202, this class emphasizes individual development, advanced critical analysis of visual images and productive exploration of the medium. Prerequisite: ART 202. Material fee: \$75. Offered fall.

ART 305. PHOTOGRAPHY II 4 sh

A continuation of ART 205, this course builds on the ideas and information in Photography I. More advanced techniques and a deeper understanding of the qualities and history of photography provide greater control over how photographs look and what they state. Prerequisite: ART 205. Lab fee: \$50.

ART 310. ART HISTORY I 4 sh

Course study surveys major visual arts from pre-history through the Middle Ages, emphasizing artistic styles, their origin and development, major works of art and their creators. Offered fall

ART 311. ART HISTORY II 4 sh

This historical survey of the major visual arts from the Renaissance to the present emphasizes artistic styles, their origin and development, major works of art and their creators. No prerequisite. Offered spring.

ART 312. STUDIES IN ART HISTORY 2-4 sh

In-depth study in this topically oriented

class covers a particular period, style or theme in art history.

ART 400. CERAMICS III 4 sh

A continuation of ART 300, emphasis in this course is on increased individual exploration of a single form-making process, glaze calculation and kiln firing. Prerequisite: ART 300. Material fee: \$30.

ART 402. PAINTING III 4 sh

This continuation of ART 302 emphasizes increased individual exploration of the medium and the development of a focused body of work. Prerequisite: ART 302. Material fee: \$75. Offered fall.

ART 405. PHOTOGRAPHY III 4 sh

This course continues ART 305 with a semester-long project proposed and developed by each student, concluding in a portfolio. Course emphasis is on individual participation through class presentations on techniques and issues in contemporary photography. Prerequisite: ART 305. Lab fee: \$50.

ART 461. SENIOR SEMINAR 2 sh

This course requires the student to assemble a portfolio, produce a critical artistic statement and plan an exhibition of her/his art work. All activities are done in consultation with a departmental advisor. This course should be taken during the final spring semester. (Spring semester only.)

ART 481. INTERNSHIP IN ART 1-4 sh

This course for art majors and minors may only be taken with the permission of the department head and supervising instructor.

ART 491. INDEPENDENT STUDIO 4 sh

Art majors and minors may pursue a program of advanced study and individual exploration in a selected medium. Proposals for independent studio should be prepared and submitted in the semester prior to enrollment. The instructor may require class attendance. Maximum 8 sh credit, by permission of art faculty only.

ASIAN/PACIFIC STUDIES

Coordinator: Professor Sullivan

The vast area of the Pacific Rim is of major importance in political, economic and cultural terms. This program aids students to shift from an Atlantic to a Pacific perspective, to focus on some particular Asian/Pacific cultures, and to take first steps not only in seeing Asia with Western eyes but also in seeing the West through Asian eyes.

Asian/Pacific Studies takes an interdisciplinary approach to study the peoples and cultures of Asia and the Pacific Rim. The program allows students to select from a current group of courses approved by an advisory group.

The minor consists of a minimum of 20 credit hours. Furthermore, the Asian/Pacific Studies program may be expanded into an International Studies major with Asian/Pacific Studies as a regional concentration. See note below.

Foreign language study—e.g. Japanese or Chinese—is strongly recommended as is a study abroad experience in the region.

A minor in Asian/Pacific Studies requires twenty semester hours selected from the following list. Courses must be chosen from at least two disciplines.

A. General Asian/Pacific Studies courses

BUS 357	Emerging Markets in Asia	4 sh
BUS 358	Doing Business in Asia	4 sh
ENG 376	Asian Literature of Social Change	4 sh
ENS 310	Environmental Issues of Southeast Asia	4 sh
HST 318	China since 1644	4 sh
HST 319	History of Japan, 1600-1945	4 sh
HST 320	China, Japan and the Pacific Century: Era of War and Revolution	4 sh
POL 363	Politics of Asia	4 sh
PHL 352	Eastern Philosophy	4 sh
PHL 353	Zen and the Culture of Japan	4 sh
REL 359	India Past and Present	4 sh
REL 353	Buddhism	4 sh
REL 356	Hinduism	4 sh
SOC 329	Peoples & Cultures of Southeast Asia	4 sh
SOC 344	Socio-Cultural Change in India	4 sh
APS 361-369	Seminars in Asian/Pacific Studies	2-4 sh

Interdisciplinary seminars focus on particular themes and/or regions in the field of Asian/Pacific Studies.

APS 481	Internship in Asian/Pacific Studies	1-4 sh
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To accommodate internships either abroad or in the United States with companies or other organizations that are interacting with Asian and the Pacific Rim.

B. Asian/Pacific Foreign Language Courses:

While not required for the minor, up to 8 sh of the courses below may count toward the minor.

CHN 110	Elementary Chinese	4 sh
CHN 210	Intermediate Chinese	4 sh
CHN 310	Advanced Chinese	4 sh
JPN 110	Elementary Japanese	4 sh
JPN 210	Intermediate Japanese	4 sh
JPN 310	Advanced Japanese	4 sh

C. Study Abroad in the Region:

While not required for the minor, up to 4 sh of such study abroad may count for the minor.

Approved course lists for study abroad in Asia and the Pacific Rim may be obtained from the program coordinator.

TOTAL	20 sh
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Note: If they choose, students can extend the minor into an International Studies Major, with a regional concentration in Asia and the Pacific Rim. In this way, the minor supports the International Studies Major by providing focus for a regional concentration and opportunity to acquire language skills. For details and other requirements, see International Studies in the Elon catalog.

BIOLOGY AND ALLIED HEALTH

Chair, Department of Biology and Allied Health: Professor House

Professor: Rao

Associate Professor: N. Harris

Assistant Professors: Carloye, Gallucci, Kingston, MacFall, Ulrich, Vick

Adjunct Instructors: DeVries, Verner

Biology is the study of life in all its diverse forms. As a species, we have always been deeply fascinated by other living creatures. Early human's dependence on other animals and plants for food, medicine, and shelter fostered an appreciation for life's interconnectedness. Modern society has rediscovered these relationships in the face of such challenges as global warming, rain forest destruction, AIDS, rising cancer rates and industrial pollution.

Our approach to biology at Elon College stresses hands-on experiences in the classroom, laboratory and field. The course of study includes off-campus experiential opportunities and research seminars that encourage creative approaches to biological problems. The focus is on science as a process, not merely a collection of established facts.

The faculty strives to provide students with a high quality program that enables them to (1) develop critical thinking and problem solving skills to better understand and meet present and future biological challenges; (2) develop competency in information retrieval, use and analysis; (3) develop an understanding of the latest technologies utilized in biological investigation; (4) acquire broad-based knowledge of biological concepts from molecules to ecosystems; and (5) acquire an experiential learning opportunity through either research, internship or laboratory assistantship.

The Bachelor of Science in Medical Technology (MT) consists of three years of pre-professional training at Elon followed by application to the 12 month clinical program

at our affiliated hospital. Admission to the affiliated program is competitive and based on overall GPA, evaluation by faculty, and personal interviews. If needed, a 4th year of study at Elon can lead to a bachelor of science in biology.

In any of Elon's biology offerings, students receive a strong foundation in biology that prepares them for graduate studies, medical and other allied health related professional schools, teaching and industry.

The Department of Biology and Allied Health offers programs leading to the Bachelor of Arts or Bachelor of Science degree with a major in Biology, the Bachelor of Science degree with a major in Medical Technology, and a minor concentration in Biology for students majoring in another discipline.

The department of Biology has divided its laboratory course offerings that serve as electives into three functional categories to assist students in the development of a broad based major with the necessary fundamental biological concepts while at the same time providing the student the flexibility to build a program that meets their individual interests and needs.

Molecular/Cellular Biology	Organismal Biology	Supraorganismal Biology
BIO 322	BIO 312 BIO 341	BIO 335
BIO 345	BIO 316 BIO 342	BIO 442
BIO 348	BIO 321 BIO 443	BIO 452
BIO 351	BIO 325 BIO 343	

Both the Bachelor of Arts and the Bachelor of Science degrees in Biology

require the following Core Courses:

BIO 111	Intro Cell Biology	3 sh
BIO 112	Intro Population Biology	3 sh
BIO 113	Cell Biology Lab	1 sh
BIO 114	Population Biology Lab	1 sh
BIO 221	General Zoology	4 sh
BIO 222	General Botany	4 sh
BIO 261	Introductory Seminar	2 sh
BIO 322	Molecular and Cellular Biology	4 sh
One course selected from the Organismal Biology category		4 sh
BIO 316	Developmental Biology	
BIO 321	Microbiology	
BIO 325	Human Histology	
BIO 342	Plant Physiology	
BIO 343	Introductory Medical Anatomy and Physiology	
One course selected from the Supraorganismal Biology category:		4 sh
BIO 335	Field Biology	
BIO 442	Aquatic Biology	
BIO 452	General Ecology	
Eight semester hours of electives selected from the following:		8 sh

Organismal Biology category

Supraorganismal Biology category

Molecular/Cellular Biology category

BIO 345 Genetics

BIO 351 Biochemistry

This may include a maximum of two 2-semester hour special topics seminars.

BIO 462	Senior Seminar	2 sh
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TOTAL		40 sh
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A Bachelor of Arts degree in Biology requires the following courses:

Core Courses in Biology	40 sh
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CHM 111	General Chemistry I	3 sh
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CHM 112	General Chemistry II	3 sh
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CHM 113	General Chemistry I Lab	1 sh
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CHM 114	General Chemistry II Lab	1 sh
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In addition, a required experiential component selected from

(a) internship

(b) research

(c) a specialized approved laboratory assistantship.

TOTAL		48 sh
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A Bachelor of Science degree in Biology requires the following courses:

Core Courses in Biology	40 sh
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CHM 111	General Chemistry I	3 sh
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CHM 112	General Chemistry II	3 sh
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CHM 113	General Chemistry I Lab	1 sh
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CHM 114	General Chemistry II Lab	1 sh
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CHM 211	Organic Chemistry I	3 sh
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CHM 212	Organic Chemistry II	3 sh
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CHM 213	Organic Chemistry I Lab	1 sh
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CHM 214	Organic Chemistry II Lab	1 sh
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PHY 111	General Physics I	4 sh
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PHY 112	General Physics II	4 sh
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MTH 114	Elementary Statistics	4 sh
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In addition, a required experiential component selected from

(a) internship

(b) research

(c) a specialized approved laboratory assistantship.

TOTAL		68 sh
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Bachelor of Science Degree in Medical Technology requires 49 semester hours of course work at Elon College and completion of the clinical curriculum at Moses Cone Memorial Hospital.

BIO 111	Intro Cell Biology	3 sh
BIO 112	Intro Population Biology	3 sh
BIO 113	Cell Biology Lab	1 sh
BIO 114	Population Biology Lab	1 sh
BIO 321	Microbiology	4 sh
BIO 345	Genetics	4 sh
BIO 351	Biochemistry	3 sh
BIO 352	Biochemistry Lab	1 sh
CHM 111	General Chemistry I	3 sh
CHM 112	General Chemistry II	3 sh
CHM 113	General Chemistry I Lab	1 sh
CHM 114	General Chemistry II Lab	1 sh
CHM 211	Organic Chemistry I	3 sh
CHM 212	Organic Chemistry II	3 sh
CHM 213	Organic Chemistry I Lab	1 sh
CHM 214	Organic Chemistry II Lab	1 sh
PHY 111	General Physics I	4 sh
PHY 112	General Physics II	4 sh
MTH 114	Elementary Statistics	4 sh or
CIS 116	Microcomputer Applications	4 sh
A course in immunology		1-3 sh
Completion of the clinical curriculum at Moses H. Cone Memorial Hospital		

TOTAL	49-51 sh
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A Minor in Biology requires the following courses:

BIO 111	Intro Cell Biology	3 sh
BIO 113	Cell Biology Lab	1 sh
Sixteen semester hours chosen from the following		16 sh
BIO 112	Intro Population Biology	
BIO 114	Population Biology Lab	
Biology courses at the 200-400 level		

TOTAL	20 sh
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BIO 101. TOPICS IN GENERAL BIOLOGY

3 sh

This topical approach to the foundational concepts of biology examines theories and issues in biology as they relate to varying special topics selected by the instructor. For general studies laboratory science requirement the BIO 102 laboratory should be taken concurrently. No credit to students with prior credit for BIO 111. No credit toward biology major or minor. Offered fall and spring.

BIO 102. GENERAL BIOLOGY LABORATORY

1 sh

This two-hour laboratory provides experiences to complement selected foundational concepts from BIO 101. To satisfy the general studies laboratory science requirement, BIO 101 and 102 should be taken concurrently. No credit to students with prior credit for BIO 113. No credit toward biology major or minor. Offered fall and spring.

**BIO 105. CURRENT ISSUES
IN BIOLOGY**

4 sh

Designed for non-science majors, this course focuses on reading, interpreting and evaluating facts behind biological issues and exploring the implications for science and human society. Students conduct library research, present oral reports, discuss and write papers on these issues. No credit toward biology major or minor. Satisfies General Studies non-laboratory science requirement. Offered winter.

**BIO 111. INTRODUCTORY
CELL BIOLOGY**

3 sh

In this introduction to organization and function at the cellular level, topics of study include basic cell chemistry and structure, transport, energetics and reproduction. Required for biology majors/minors. Corequisite: BIO 113. Offered fall and spring.

**BIO 112. INTRODUCTORY
POPULATION BIOLOGY**

3 sh

Topics of study in this introduction to organization and function at the population level include reproduction and transmission genetics, patterns and mechanics of evolutionary change and basic concepts of ecology. Required for biology majors/minors. Corequisite: BIO 114. Offered fall and spring.

**BIO 113. CELL BIOLOGY
LABORATORY**

1 sh

Students have three hours of laboratory experience per week with topics complementing concurrent study in BIO 111. Required for biology majors/minors. Corequisite: BIO 111. Offered fall and spring.

**BIO 114. POPULATION BIOLOGY
LABORATORY**

1 sh

Students have three hours of laboratory experience per week with topics complementing concurrent study in BIO 112. Required for biology majors/minors. Corequisite: BIO 112. Offered fall and spring.

BIO 121. BIOLOGICAL DIVERSITY

4 sh

This course exposes the non-science major to the diversity of form and function through lectures and demonstrations, emphasizing the relationship of specific organisms and diversity in general to human society. No credit toward major/minor. Satisfies General Studies non-laboratory science requirement.

BIO 161. HUMAN ANATOMY

4 sh

This course explores human anatomy, concentrating on skeletal, muscular, nervous, endocrine, heart, blood, respiratory, digestive and urinary aspects. Three class hours, one laboratory per week. No credit toward BIO major/minor. Offered fall and spring.

BIO 162. HUMAN PHYSIOLOGY

4 sh

This study of human physiology emphasizes skeletal, muscular, nervous, endocrine, heart, blood, respiratory, digestive and urinary aspects. Three class hours, one laboratory per week. No credit toward BIO major/minor. Offered fall and spring.

**BIO 181. BIOLOGY LABORATORY
TECHNIQUES**

2 sh

Skills taught in this training course for prospective laboratory assistants include laboratory procedures, materials preparation and grading procedures. Offered spring.

**BIO 215. ORGANISMAL BIOLOGY
AND FIELD TECHNIQUES**

4 sh

This course examines the basic concepts of plant and animal form and function and the fundamentals of plant and animal systematics, with a focus on herbaceous and woody plants, soil and aquatic invertebrates. Students investigate the natural history of local plant and animal species and their role in community dynamics. Laboratory experiences emphasize keying and identification, field methodologies of specimen collection and preservation, sampling techniques, and population estimation procedures for terrestrial and

aquatic ecosystems. Satisfies the General Studies lab science requirement. No credit toward the major or minor. Prerequisites: ENS 111, BIO 112, 114. (BIO 215 is the same course as ENS 215.) Offered fall.

BIO 221. GENERAL ZOOLOGY 4 sh

Students survey the animal kingdom (emphasizing selected vertebrates and invertebrates), investigating basic concepts of morphology, anatomy, physiology and taxonomy as they affect the ecology of the animal. Three class hours, one laboratory per week. Prerequisites: BIO 111, 112, 113, 114. Offered fall and spring.

BIO 222. GENERAL BOTANY 4 sh

This survey of the plant kingdom (emphasizing vascular plants) includes general morphology, anatomy, physiology of metabolism and growth, economic importance and identification. Three class hours, one laboratory per week. Prerequisites: BIO 111, 112, 113, 114. Offered fall and spring.

BIO 261. INTRODUCTORY SEMINAR 2 sh

Students learn to use primary information sources and gain practice in manual and computer information retrieval, read and interpret research and review papers, write abstracts and present scientific information orally. Recommended for sophomore year. Offered fall.

BIO 271. SPECIAL TOPICS SEMINAR 2 sh

Study focuses on one biological topic per seminar in this non-laboratory discussion course for biology majors. Topics are determined by student and faculty interest. Must have instructor's consent.

BIO 316. DEVELOPMENTAL BIOLOGY 4 sh

This course examines the changes that occur at the cellular and subcellular level as a single-cell zygote develops into a multicellular organism. Topics include fertilization, blastula formation, gastrulation, and organogenesis. Three class hours, one laboratory per week. Prerequisites: BIO 221; CHM 111, 112,

113, 114. Offered spring of even numbered years.

BIO 321. MICROBIOLOGY 4 sh

In a general survey of microorganisms, study emphasizes bacteria, their cytophysiological characteristics and classification, viruses, microbial diseases and immunity and the role of microorganisms in human affairs. Three class hours, one laboratory per week. Prerequisites: BIO 111, 113, CHM 111, 112, 113, 114. Junior standing or consent of instructor. Offered spring of even-numbered years.

BIO 322. MOLECULAR AND CELLULAR BIOLOGY 4 sh

This course is a study of the structure and function of prokaryotic and eukaryotic cells at the molecular level. It examines in depth specific biochemical pathways and processes essential to life. Topics include considerable coverage of the principles, techniques and applications of molecular genetics. Three class hours and one laboratory per week. Junior standing or consent of instructor. Prerequisites: BIO 111, 112, 113, and 114; CHM 111, 112, 113, 114. Offered fall.

BIO 325. HUMAN HISTOLOGY 4 sh

Students survey human body tissues (especially of the cardiovascular, alimentary, respiratory, urinary and reproductive systems), stressing tissue identification and the relationship of microanatomy to physiology of the human body. Three class hours, one laboratory per week. Prerequisites: BIO 111, 113. Offered fall of odd-numbered years.

BIO 335. FIELD BIOLOGY 4 sh

In this field-oriented course, restricted to selected natural taxa, environments or biological phenomena, in-depth field study may include identification, classification, life histories and relationships among organisms. Prerequisite: Consent of instructor. Offered winter and/or summer.

BIO 342. PLANT PHYSIOLOGY 4 sh

Topics in this study of the life processes of plants include photosynthesis, mineral nutrients, movement of materials, plant growth substances and senescence. Three class hours, one laboratory per week. Prerequisites: BIO 222; CHM 111, 112, 113, 114. Offered spring of odd-numbered years.

BIO 343. INTRODUCTORY MEDICAL ANATOMY AND PHYSIOLOGY 4 sh

An introduction to the basic topics of human medical structure and function. Lecture emphasizes regular processes and responses occurring in human organ systems. Laboratory is a combination of equipment instruction, independent physiology projects and dissection. Three class hours, one laboratory per week. Prerequisites: BIO 221; CHM 111, 112, 113, 114. Offered fall of even-numbered years.

BIO 345. GENETICS 4 sh

Students are introduced to Mendelian and molecular principles of genetics and the applications of these principles to the modern world. Three class hours, one laboratory per week. Prerequisites: BIO 111, 112, 113, and 114; CHM 111, 112, 113, and 114. Offered fall of odd-numbered years.

BIO 348. BIOTECHNOLOGY 4sh

Students explore how biological systems are utilized in scientific research. In collaboration with their peers, students will apply the techniques of molecular biology (restriction digestion, transformation, DNA hybridization, PCR, etc.) to investigate a research question. Emphasis will be placed on protocol design, solution preparation and critical analysis of research data. Additionally, the social context of biotechnology will be investigated as students explore the risks and rewards in this expanding field. Two laboratory periods and one class hour per week. Prerequisites: BIO 345 or 322. Offered spring of odd-numbered years.

BIO 351. BIOCHEMISTRY 3 sh

In this survey of biochemistry as it relates to the physiology of organisms, study includes biochemical methodology, buffers, proteins (structure, function, and synthesis), enzymes, bioenergetics, anabolism and catabolism of carbohydrates and lipids, and metabolic regulation. Three class hours, one laboratory per week. Prerequisites: CHM 111, 112, 113, 114, 211, 212, 213, and 214. (BIO 351 is the same as CHM 351.) Offered fall of even-numbered years.

BIO 352. BIOCHEMISTRY LABORATORY 1 sh

Experiments in this study of laboratory techniques and principles of biochemistry as it relates to the physiology of organisms include biochemical methodology, buffers, proteins (structure, function and synthesis), enzymes, bioenergetics, anabolism and catabolism of carbohydrates and lipids, and metabolic regulation. Corequisite: BIO 351. (BIO 352 is the same as CHM 352.) Offered fall of even-numbered years.

BIO 371. SPECIAL TOPICS SEMINAR 2 - 4 sh

Each seminar – a non-laboratory discussion course for biology majors – focuses on one biological topic determined by student and faculty interest. Must have instructor's consent.

BIO 442. AQUATIC BIOLOGY: THE STUDY OF INLAND WATERS 4 sh

Aquatic Biology considers the chemical, physical and biological properties of freshwater ecosystems including streams, rivers, ponds and lakes. Topics include the geomorphology of inland waters, thermal stratification, nutrient cycles, community metabolism, plankton community dynamics, seasonal succession and eutrophication resulting from human activities. Weekly laboratory meetings provide hands-on experience with the field techniques of freshwater scientists. Prerequisites for Biology major: BIO 221, 222; CHM 111, 113, 112,

114. Prerequisites for Environmental Studies major: BIO 112, 114, 215; CHM 111, 113, 112, 114. Junior standing or consent of instructor. Offered spring of even-numbered years.

BIO 452. GENERAL ECOLOGY 4 sh

Students explore ecological principles at population, community, and ecosystem levels in this study of the interrelationships of organisms with their biotic and abiotic environments. Three lecture hours, one laboratory per week.

Prerequisites for Biology major: BIO 221, 222; CHM 111, 113, 112, 114. Prerequisites for Environmental Studies major: BIO 112, 114, 215; CHM 111, 113, 112, 114. Junior standing or consent of instructor. Offered fall.

BIO 462. SENIOR SEMINAR 2 sh

This study requires a research or review paper and formal oral presentation of a focused biological topic to a peer and faculty audience. Recommended for

senior year. Offered fall.

BIO 471. SPECIAL TOPICS SEMINAR

2 - 4 sh

Each seminar – a non-laboratory discussion course for biology majors – focuses on one biological topic determined by student and faculty interest. Must have instructor's consent.

BIO 481. INTERNSHIP IN BIOLOGY

1 - 4 sh

Advanced level work experience in a biological field is offered on an individual basis when suitable opportunities can be arranged. Prerequisite: permission of department.

BIO 499. RESEARCH

1 - 4 sh

Students from all levels conduct laboratory and/or field research under the direction of the Biology faculty. Maximum eight semester hours total credit. Prerequisite: Permission of the Biology faculty.

BUSINESS ADMINISTRATION

The Martha and Spencer Love School of Business

Dean of Love School of Business: Professor Burbridge

Chair, Department of Business Administration: Associate Professor Guffey

Professor: Weavil

Associate Professors: Baxter, Paul

Assistant Professors: O'Mara, Peterson, Strempek, Tolson

The Business Administration program at Elon College provides the student an education sought by both profit and not-for-profit organizations and companies in every sector of global society. In addition to core courses in accounting, finance, management, marketing and operations, the student concentrates in one of the following disciplines: finance, management, marketing, international management or management information systems.

With business study and the general studies program blended together, the student obtains a well-rounded education most sought after by recruiters from industry, government and other organizations.

Students with a degree in Business Administration are among the best prepared for most of the top 20 careers of the future as defined recently by *Business Week*. The

business faculty's style of instruction is practical, based on theories presented in text books. That style is possible because the faculty has extensive industry experience in addition to post-graduate qualification in the field in which they teach. Students are encouraged to use the computer in analysis and presentation, case analyses and group projects which are meant to reflect real situations as much as possible.

Graduates in business administration are ready to begin professional careers in every facet of American organizations requiring business skills. The approximation of business problems in the classroom gives the student an understanding of possible situation types faced in a career. The sound preparation in liberal studies and business administration makes the Elon business major a good investment for professional success.

A major in Business Administration requires the following courses:

MTH 116	Applied Mathematics with Calculus	4 sh or
MTH 121	Calculus and Analytic Geometry I	4 sh
ECO 201	Principles of Economics	4 sh
ECO 202	Statistics for Economics and Business	4 sh
ECO 301	Business Economics	4 sh
ACC 201	Principles of Financial Accounting I	4 sh
ACC 202	Principles of Management Accounting	2 sh
CIS 116	Microcomputer Applications	4 sh
BUS 221	Business Law	2 sh
BUS 302	Business Communications	4 sh
BUS 311	Principles of Marketing	4 sh
BUS 323	Principles of Management	4 sh
BUS 360	Principles of Decision Science	4 sh
BUS 465	Business Policy	4 sh
FIN 343	Managerial Finance	4 sh
Twelve - sixteen semester hours of a concentration		12-16 sh
TOTAL		64-68 sh

Concentrations:

Finance	12 sh
FIN 413	Advanced Managerial Finance
FIN 421	Investment Principles
One course from the following:	
FIN 416	Fundamentals of Insurance
FIN 471	Seminar: Special Topics (when an appropriate finance topic)
Marketing	12 sh
BUS 415	Buyer Behavior and Advertising
BUS 417	Marketing Channels
One course from the following:	
BUS 411	Managing Market Innovation
BUS 414	Marketing Research
BUS 419	Sales Management

Management 12 sh

BUS 424 Responsible Leadership

Two courses from the following:

BUS 427 Organizational Improvement

BUS 428 Organizational Behavior

BUS 429 Entrepreneurship/Intrapreneurship

BUS 430 International Business Management

BUS 471 Seminar: Special Topics
(when an appropriate management topic)

International Management 16 sh

BUS 430 International Business Management

Eight semester hours of one foreign language: Students who choose to continue with a foreign language previously studied must take the 200-300-level courses in that language. Students who choose a language not previously studied must take the 100-200-level courses in that language.)

One course from the following:

ECO 314 International Trade and Finance

BUS 471 Seminar: Special Topics (when an appropriate international management topic)

Management Information Systems 12 sh

CIS 216 Advanced Microcomputer Applications

CIS 330 Systems Analysis and Design

CIS 340 Systems Implementation

A minor in Business Administration requires the following courses:

BUS 311 Principles of Marketing 4 sh

BUS 303 Introduction to Managing 4 sh or

BUS 323 Principles of Management 4 sh

ACC 201 Principles of Financial Accounting 4 sh

ACC 202 Principles of Management Accounting 2 sh

ECO 201 Principles of Economics 4 sh

TOTAL 18-sh

BUS 221. BUSINESS LAW 2 sh

This course introduces the law as it applies to businesses, including law and the courts, administrative agencies, contracts, personal property, commercial paper, agency, employment, partnerships and corporations. Offered fall and spring.

Prerequisite: ENG 110 and sophomore standing. Offered fall and spring.

BUS 303. INTRODUCTION TO MANAGING 4 sh

Primarily for non-majors, this introductory course examines universal business processes — such as goal setting, planning, decision making, motivation, human resource management, control — which are applied by both not-for-profit and government organizations. No credit for both BUS 303 and 323. Offered fall and spring.

BUS 302. BUSINESS COMMUNICATIONS 4 sh

In addition to studying the theory and principles of good oral and written communications, students practice making oral presentations and writing business reports, letters and memoranda.

BUS 311. PRINCIPLES OF MARKETING 4 sh

This study of the marketing and distribution of goods and services includes buyer behavior, the marketing functions, commodity and industrial markets, merchandising considerations, price policies and governmental regulation of competition. Prerequisite: ECO 201. Offered fall and spring.

BUS 323. PRINCIPLES OF MANAGEMENT 4 sh

Principles of Management introduces the classical, scientific and behavioral approaches to management, with particular emphasis on organization and qualitative decision theory. No credit for both BUS 303 and 323. Sophomore standing required. Offered fall and spring.

BUS 351. FUNDAMENTALS OF REAL ESTATE 4 sh

Students survey practices, issues and analyses from several perspectives — economics, finance, marketing and law — as they relate to the use of land and buildings. Prerequisites: ACC 201 and ECO 201 or permission of instructor.

BUS 360. PRINCIPLES OF DECISION SCIENCE 4 sh

This course focuses on the application of quantitative methods to business decision making, especially production and operations decisions. Prerequisites: ECO 202, CIS 116. Offered fall and spring.

BUS 365. BUSINESS ADMINISTRATION APPLICATIONS 4 sh

Topics vary yearly in the study of applications of business administration principles and theories in various business situations. Primarily offered in winter term.

BUS 366. FIELD EXPERIENCE IN BUSINESS 4 sh

This travel course revolves around visits to diverse businesses, domestically or abroad, and analyses of the businesses visited. Prerequisite: permission of instructor. Offered winter.

BUS 411. MANAGING MARKET INNOVATION 4 sh

Innovation is a major facet of managing an organization's market. Market offerings—the products and services which the organization brings to its market—are obvious vehicles for innovation. Today's concepts of "product velocity" demand that marketers understand and learn to manage the process of product and market innovations. Technology drives many innovations, often leading to product revolutions which seems to be almost self-propelled. Marketing professionals must manage such opportunities, as well as the less dramatic but ever-present process of incremental innovations. Market innovations may be expressed in products and features, in processes, in services and in market development strategies. At the heart of the innovation process lie concepts such as product life cycles, creative processes and market positioning. Prerequisite: BUS 311.

BUS 414. MARKETING RESEARCH 4 sh

Students apply various research methods used in business to gather and analyze marketing data. Possible effects and implications of the analyses are discussed in terms of the marketing and decision-making processes of businesses. Prerequisite: BUS 311.

BUS 415. BUYER BEHAVIOR AND ADVERTISING 4 sh

The goal of advertising is to inform and persuade potential buyers. Understanding even the most basic knowledge which researchers have developed about buyer behavior gives the student of advertising an enormous advantage in this critical marketing activity. This course will fuse traditional research-oriented "consumer behavior" material with the practitioner-oriented study of the advertising process. The buyers studied will be both consumers and organizational buyers, and advertising will be presented in these two different contexts. Prerequisite: BUS 311.

BUS 417. MARKETING CHANNELS 4 sh

Of the four major areas of marketing strategy (product, pricing, advertising and promotion, and distribution strategies) those involving the distribution of goods and services through multiple channels require the greatest understanding of business-to-business marketing. The study of channel strategies gives the student an opportunity to combine knowledge of many marketing principles with that of other business disciplines (accounting, finance, management) in structuring the distribution networks to move products from producer to ultimate customer. Business-to business relationship, problems, and interfaces are explored, with emphasis on channel management, performance and strategy. Prerequisite: BUS 311.

BUS 418. COMMERCIAL LAW 4 sh

Commercial Law, a technical study of the American legal system, includes examination of Uniform Commercial Code provisions governing contracts, sales and commercial paper, creditors rights and the law of wills and trust. Prerequisite: BUS 221. Offered fall and spring.

BUS 419. SALES MANAGEMENT 4 sh

The sales management course is an analysis of professional selling practices with emphasis on the selling process and sales management, including the development of territories, determining potentials and forecasts, and setting sales quotas. Prerequisite: BUS 311.

BUS 420. MARKETING STRATEGY 4 sh

This advanced course gives the student an opportunity to combine knowledge of marketing principles with that of other disciplines (accounting, economics, finance, and statistics) in solving marketing-related problems. Prerequisite: Grade of C- or better in BUS 311.

BUS 422. BUSINESS AND SOCIETY 4 sh

Business and society explores the relationship of an organization to its

social and legal environment; the interaction of firms, customers and agencies of the federal, state and local governments; the environmental effects on individuals and the economy; and the firm as a citizen. Prerequisite: BUS 303 or 323.

BUS 424. RESPONSIBLE LEADERSHIP 4 sh

This required course for the management concentration addresses the characteristics, behaviors and responsibilities required of contemporary organizational leaders. While focusing on the traditional topics (individual differences and traits of leaders, behaviors of leaders, role of power, types and styles of leadership, theories of motivation) the student will also be introduced to some non-traditional approaches (non-traditional metaphors, leadership as an art, individual differences of followers and followership) to understanding leaders and leadership. The responsibilities of leadership will be specifically addressed in relationship to the concepts of organizational success and effectiveness, social responsibility and ethical decision-making.

BUS 425. PERSONNEL ADMINISTRATION 4 sh

In this study of basic personnel practices, objectives, functions and organization of personnel programs, topics include job evaluation, selection, placement, testing, promotion, compensation, training, safety, health and employee relationships. Prerequisite: BUS 303 or 323. Offered fall and spring.

BUS 426. OPERATIONS MANAGEMENT 4 sh

This course covers the principles of management as applied to production systems and emphasizes production capacity planning, job design, standards and work measurements, scheduling, quality control and inventory management. Prerequisite: BUS 360. Offered fall and spring.

**BUS 427. ORGANIZATIONAL
IMPROVEMENT**

4 sh

This course will introduce the students to material which will cover basic productivity improvement techniques, application of those techniques in his/her work place, the ability to teach co-workers these techniques, leading work teams in problem-solving activities, and managing an organizational productivity improvement program. Prerequisite: BUS 303 or BUS 323.

**BUS 428. ORGANIZATION
BEHAVIOR**

4 sh

This course addresses the role of the individual and groups within organizations and the organization as an entity. The focus is on theories, concepts, and applications regarding people oriented management skills. Personality, perception, group dynamics, appraisal, decision making, cooperation and conflict, organization structure, organization politics, and managing change are topics included in the course. Prerequisite: BUS 303 or BUS 323.

**BUS 429. ENTREPRENEURSHIP/
INTRAPRENEURSHIP**

4 sh

This course addresses how to go into business and several of the unique problems and circumstances encountered in establishing and operating a small business. Emphasis is also given to the role of entrepreneurship in large firms through the study of "intrapreneurship." Special emphasis is given on why small

businesses fail and what entrepreneurs can do to minimize the influence of these forces. Family owned business management is included as one type of small business covered. Prerequisite: BUS 303 or BUS 323.

**BUS 430. INTERNATIONAL BUSINESS
MANAGEMENT**

4 sh

This course covers business management from the perspective of the current global business environment. Students examine the overall nature of international business, the foreign environments that international business face and the unique situations associated with doing business across international borders. Prerequisite: Junior standing or permission of instructor.

BUS 465. BUSINESS POLICY

4 sh

This capstone course integrates the students experiences and previous study through case studies and simulated business decision exercises. Prerequisites: BUS 311, 323, 343, 360 and senior status. Offered fall and spring.

BUS 471. SEMINAR: SPECIAL TOPICS

4 sh

This advanced study consists of readings and discussion of special topics and involves participation by students, faculty and other resource persons.

**BUS 481. INTERNSHIP IN BUSINESS
ADMINISTRATION**

1-6 sh

BUS 491. INDEPENDENT STUDY

1-4 sh

CHEMISTRY

Chair, Department of Chemistry:

Professors: Danieleley, E. Grimley

Associate Professor: Gooch, D. Wright

Assistant Professor: J. Grimley

The Department of Chemistry offers courses of study leading to either a Bachelor of Arts degree (requiring 45 semester hours credit), the Bachelor of Science degree (62 semester hours credit) or a minor in Chemistry (24 semester hours credit).

Students who major in Chemistry are qualified for many pursuits. They may choose to: work in chemical industry; continue advanced studies in chemistry; take professional training in medicine, dentistry or other health-related fields; prepare to teach at the secondary level; or pursue opportunities in related fields (environmental science, forensics, business and industry).

One of the components of Elon's chemistry program is the opportunity for students to engage with faculty in undergraduate research during the junior and senior years. The results of the research projects are presented at local, regional and national scientific meetings.

Another key feature of the program is the introduction and use of instrumentation in the first-year general chemistry sequence and its continued emphasis throughout the chemistry curriculum. Student participation in assisting in laboratory instruction is strongly advised.

A Bachelor of Arts degree in Chemistry requires the following courses:

CHM 111	General Chemistry I	3 sh
CHM 112	General Chemistry II	3 sh
CHM 113	General Chemistry I Lab	1 sh
CHM 114	General Chemistry II Lab	1 sh
CHM 211	Organic Chemistry I	3 sh
CHM 212	Organic Chemistry II	3 sh
CHM 213	Organic Chemistry I Lab	1 sh
CHM 214	Organic Chemistry II Lab	1 sh
CHM 232	Principles of Chemical Separations	4 sh
CHM 311	Quantitative Analysis	4 sh
CHM 332	Physical Chemistry I	3 sh
CHM 333	Physical Chemistry I Lab	1 sh
CHM 421	Instrumental Analysis	4 sh or
CHM 431	Advanced Inorganic Chemistry	4 sh
CHM 461	Seminar	1 sh
MTH 121	Calculus & Analytic Geometry I	4 sh
PHY 111	General Physics I	4 sh
PHY 112	General Physics II	4 sh
(Physics 113 and 114 may be substituted for Physics 111 and 112.)		

TOTAL

45 sh

A Bachelor of Science degree in Chemistry requires the following courses:

CHM 111	General Chemistry I	3 sh
CHM 112	General Chemistry II	3 sh

CHM 113	General Chemistry I Lab	1 sh
CHM 114	General Chemistry II Lab	1 sh
CHM 211	Organic Chemistry I	3 sh
CHM 212	Organic Chemistry II	3 sh
CHM 213	Organic Chemistry I Lab	1 sh
CHM 214	Organic Chemistry II Lab	1 sh
CHM 232	Principles of Chemical Separations	4 sh
CHM 311	Quantitative Analysis	4 sh
CHM 332	Physical Chemistry I	3 sh
CHM 333	Physical Chemistry I Lab	1 sh
CHM 412	Physical Chemistry II	3 sh
CHM 421	Instrumental Analysis	4 sh
CHM 431	Advanced Inorganic Chemistry	4 sh
CHM 461	Seminar	1 sh

Choose one of the following two options: 6 sh

(i) Chemistry 341 Introduction to Research (1 sh)

Chemistry 491 Research

Chemistry 492 Thesis (1 sh)

(ii) Chemistry 351 Biochemistry (3 sh) - and/or
courses from Chemistry 471-79 Special Topics (3 sh)

MTH 121	Calculus & Analytic Geometry I	4 sh
MTH 221	Calculus & Analytic Geometry II	4 sh
PHY 111	General Physics I	4 sh
PHY 112	General Physics II	4 sh

(Physics 113 and 114 may be substituted for Physics 111 and 112.)

TOTAL 62 sh

A minor in Chemistry requires the following courses:

CHM 111	General Chemistry I	3 sh
CHM 112	General Chemistry II	3 sh
CHM 113	General Chemistry I Lab	1 sh
CHM 114	General Chemistry II Lab	1 sh
CHM 211	Organic Chemistry I	3 sh
CHM 212	Organic Chemistry II	3 sh
CHM 213	Organic Chemistry I Lab	1 sh
CHM 214	Organic Chemistry II Lab	1 sh

Eight additional semester hours selected from 8 sh

CHM 232 Principles of Chemical Separations

CHM 311 Quantitative Analysis

CHM 351 Biochemistry (3 sh) and

CHM 352 Biochemistry Lab (1 sh)

TOTAL 24 sh

**CHM 101. BASIC CONCEPTS
IN CHEMISTRY**

3 sh

The course is designed to meet the math/science general studies requirement for non-science majors. The material covered includes atomic structure, chemical changes, descriptive chemistry of selected elements, introduction to organic chemistry, and how chemistry applies to consumer products and the environment. No credit given to students with prior credit for CHM 111. No credit for major/minor. Corequisite: CHM 102. Offered fall, winter, spring.

**CHM 102. BASIC CONCEPTS IN
CHEMISTRY LABORATORY**

1 sh

Laboratory exercises are based upon selected foundational concepts covered in CHM 101. No credit for students with prior credit for CHM 113. No credit for major/minor. Corequisite: CHM 101. Offered fall, winter, spring.

CHM 111. GENERAL CHEMISTRY I

3 sh

This course introduces fundamental principles of chemistry with special emphasis on developing skills in quantitative reasoning. Topics include stoichiometry, nomenclature, gases, atomic structure and periodicity, and thermochemistry. Prerequisite: High school chemistry. Corequisites: MTH 111 or higher and CHM 113. Offered fall and spring.

CHM 112. GENERAL CHEMISTRY II

3 sh

The study of fundamental chemical principles continues with chemical kinetics, liquid/solid states, chemical equilibrium (gas phase and acid/base), nuclear chemistry and electrochemistry. Prerequisite: CHM 111. Corequisite: CHM 114. Offered spring.

**CHM 113. GENERAL CHEMISTRY I
LABORATORY**

1 sh

The experiments offered familiarize students with basic laboratory techniques and complement topics discussed in CHM 111. Corequisite: CHM 111. Offered fall and spring.

**CHM 114. GENERAL CHEMISTRY II
LABORATORY**

1 sh

This course involves laboratory applications of concepts and principles discussed in CHM 112. Prerequisites: CHM 111, 113. Corequisite: CHM 112. Offered spring.

CHM 211. ORGANIC CHEMISTRY I

3 sh

Organic Chemistry introduces students to the chemistry of carbon compounds, including nomenclature, the influence of structure on physical/chemical properties, reaction mechanisms, stereochemistry, conformational analysis, synthesis and characteristic reactions of different organic compounds. Prerequisites: CHM 111, 112, 113, 114. Corequisite: CHM 213. Offered fall.

CHM 212. ORGANIC CHEMISTRY II

3 sh

Continuing the study of organic chemistry, this course emphasizes compounds containing oxygen or nitrogen and culminates with a survey of lipids, carbohydrates and proteins. Prerequisites: CHM 211, 213. Corequisite: CHM 214. Offered spring.

**CHM 213. ORGANIC CHEMISTRY I
LABORATORY**

1 sh

Laboratory work includes determination of physical properties, separation of mixtures, some structure identification and synthesis of selected organic compounds. Prerequisites: CHM 111, 112, 113, 114. Corequisite: CHM 211. Offered fall.

**CHM 214. ORGANIC CHEMISTRY II
LABORATORY**

1 sh

Procedures include microscale synthetic methods, molecular modeling via IBM-PC and qualitative organic analysis. Prerequisites: CHM 211, 213. Corequisite: CHM 212. Offered spring.

**CHM 232. PRINCIPLES OF CHEMICAL
SEPARATIONS**

4 sh

This course deals with the theory and practice of separation techniques including crystallization, distillation, gas and liquid chromatography, electro-

phoretic techniques, solvent extraction, complexation and solubility equilibria. Prerequisite: CHM 211. Offered spring.

CHM 301. SCIENTIFIC INQUIRY 4 sh

Scientific Inquiry is about scientific literacy, ways of knowing science and the mission of scientists. It covers ways of thinking that are essential for all citizens in a world shaped by science and technology. No credit toward general studies laboratory science requirement. No credit for major. Prerequisite: A previous laboratory science. Offered fall, every other year.

CHM 305. ENVIRONMENTAL CHEMISTRY 4 sh

Environmental Chemistry provides a survey of chemical topics applying to selected pollutants in the air, water and soil. Such topics include production and diffusion, photochemical processes, techniques for analysis, acid-base and redox chemistry, environmental and biological effects. Laboratory work includes acid/base and buffer chemistry, analysis of heavy metal pollutants, sampling techniques and resistance of selected materials to certain pollutants. Satisfies the laboratory science requirement for General Studies. No credit toward major/minor. Prerequisites: CHM 111, 112, 113, 114, 211, 213. Offered spring of alternate years.

CHM 311. QUANTITATIVE ANALYSIS 4 sh

This course introduces chemical methods of quantitative analysis, including classical volumetric and selected instrumental methods, a discussion of error and uncertainty in measurements and elementary statistics. Discussion also covers the underlying physical and chemical theories and laws, with emphasis on chemical equilibrium. Prerequisites: CHM 111, 112. Offered fall.

CHM 332. PHYSICAL CHEMISTRY I 3 sh

The application of mathematical methods to the physical principles to chemistry is the main theme of this

sequence. Considerable time is spent on the energy content of systems, work and the physical and chemical properties of matter. Specific topics include thermodynamics, colligative properties of solutions, equilibrium and electrochemistry and phase equilibria. Prerequisites: CHM 111, 112; MTH 121; PHY 111/112 or 113/114. Corequisite: CHM 333. Offered spring.

CHM 333. PHYSICAL CHEMISTRY I LABORATORY 1 sh

The experiments complement concepts discussed in the lecture, including studies of phase relationships, gas laws and calorimetry. Prerequisites: CHM 111, 112; MTH 121; and PHY 111/112 or 113/114. Corequisite: CHM 332. Offered spring.

CHM 341. INTRODUCTION TO RESEARCH 1 sh

This course is designed to introduce students to chemical research, use of chemical literature, computerized literature searching, research proposal and report writing. The student selects a faculty research advisor. Emphasis is placed on the student developing and making progress on an independent chemical research problem. Prerequisites: CHM 111, 112, 211, 212, 232; MTH 121; and PHY 111/112 or 113/114. Corequisite: CHM 311. Offered fall.

CHM 351. BIOCHEMISTRY 3 sh

This is a survey of biochemistry as it relates to the physiology of organisms. Topics include biochemical methodology, buffers, proteins (structure, function and synthesis), enzymes, bioenergetics, anabolism and catabolism of carbohydrates and lipids, and metabolic regulation. Prerequisites: CHM 211, 212, 213, 214. (CHM 351 is the same as BIO 351.) Offered fall, of alternate years.

CHM 352. BIOCHEMISTRY LABORATORY 1 sh

This laboratory investigates the rates of enzyme-catalyzed reactions, including the effect of enzyme inhibitors, the

isolation/purification/analysis of proteins, lipids and carbohydrates and some analytical techniques used in clinical chemistry laboratories. Techniques employed include affinity chromatography, electrophoresis, gas chromatography, UV-visible spectrometry and polarimetry. Prerequisites: CHM 211, 212, 213, 214. Corequisite: CHM 351. (CHM 352 is the same as BIO 352.) Offered fall of alternate years.

108

CHM 412. PHYSICAL CHEMISTRY II 3 sh

Physical Chemistry applies the concepts of quantum mechanics to explain the basic structure of atoms, molecules and ions. Group theory, molecular spectroscopy and kinetics are also covered. Prerequisites: CHM 232, 311, 332, 333; MTH 221; and PHY 111/112 or 113/114. Offered fall.

CHM 421. INSTRUMENTAL ANALYSIS 4 sh

Instrumental Analysis offers theory and practice of instrumental methods, with emphasis placed on spectroscopic (UV/Vis, IR, NMR, AA), mass spectrometric and radiochemical methods of analysis. Prerequisites: CHM 111, 112, 211, 212, 311, 332, 333. Offered spring.

CHM 431. ADVANCED INORGANIC CHEMISTRY 4 sh

This course surveys the structures, physical properties and reactions of the elements and their compounds, with emphasis on periodic table relationships. Topics include chemical bonding, organometallic chemistry, acid-base theories, the chemistry of complexes, nuclear chemistry and magnetic properties of matter. Prerequisites: CHM 111, 112, 211, 212, 332, 333. Offered spring.

CHM 461. SEMINAR 1 sh

Students make presentations after they do individual library or laboratory research. Student seminars are supplemented with seminars by practicing scientists. All chemistry-oriented students are encouraged to attend. Credit for senior majors only or by permission of the instructor. Course is two semesters in length. Students must take both semesters. Offered fall and spring.

CHM 471-479. SPECIAL TOPICS IN CHEMISTRY 2-3 sh

Advanced topics offered to meet the needs and interests of students include methods in nuclear chemistry, nuclear magnetic resonance, advanced organic or polymer chemistry. Prerequisites: CHM 111, 112, 211, 212, 311, 332.

CHM 481. INTERNSHIP 1-4 sh

Students gain advanced level work experience in a chemical field. Internships are offered on an individual basis when suitable opportunities can be arranged. Prerequisite: permission of department.

CHM 499. RESEARCH 1-3 sh

In collaboration with a chemistry faculty member, students undertake experimental or theoretical investigations. Prerequisite: CHM 341. Offered fall, winter, spring.

CHM 492. THESIS 1 sh

The thesis focuses on the formal writing process related to results of the experimental and/or theoretical research conducted by the student. Emphasis is placed on the style of scientific writing. Majors only. Prerequisite: CHM 491. Offered fall, winter, spring.

COMMUNICATIONS

See Journalism and Communications

COMPUTING SCIENCES

Chair, Department of Computing Sciences: Associate Professor Carpenter

Professor: W. Hightower

Associate Professor: Plumblee

Assistant Professors: Berry, V. Hightower

Adjunct Instructors: Hudson, Metts, Patterson, Whiffen

The Computing Sciences Department of Elon College offers a major and minor in Computer Science and a minor in Computer Information Systems. A concentration area in Management Information Systems is also an option under the Business Administration major (See Business Administration for more information on this concentration.).

The study of computer science emphasizes problem-solving techniques which translate well into the work force in this and other disciplines. Since the computer field is constantly changing, students must learn to communicate effectively and be able to adapt to new concepts and changing technology.

Computing sciences students at Elon have excellent access to both faculty and equipment. Opportunities for various work and independent learning experiences which complement classroom training are also available. Other opportunities for involvement include the student chapter of the Association for Computing Machinery (ACM), participation in regional and local programming contests and independent study. Graduates pursue employment in many areas of industry and business as well as graduate study.

A major in Computer Science requires the following courses:

CSC 130	Computational Programming	4 sh
CSC 230	Algorithm Development	4 sh
CSC 331	Algorithm Analysis	4 sh
CSC 351	Theory of Computation	4 sh
CSC 342	Computer Organization	4 sh
CSC 441	Computer Architecture and Operating Systems	4 sh
CSC 435	Programming Languages/Paradigms	4 sh
CSC 451	Compiler Design and Implementation	4 sh
MTH 121	Calculus and Analytic Geometry I	4 sh
MTH 221	Calculus and Analytic Geometry II	4 sh
Two courses from the following:		8 sh

A probability and/or statistics course

MTH 311 Linear Algebra

MTH 321 Calculus and Analytic Geometry III

MTH/CSC 415 Numerical Analysis

MTH 421 Differential Equations

TOTAL	48 sh
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A minor in Computer Science requires the following courses:

CSC 130	Computational Programming	4 sh
CSC 230	Algorithm Development	4 sh

Eight semester hours of 300-400 level Computer Science

(CSC) courses	8 sh
One additional course from CSC or CIS at the 200 level or above	4 sh
TOTAL	20 sh

A minor in Computer Information Systems requires the following courses:

CIS 216 Advanced Microcomputer Applications	4 sh
Eight semester hours of CIS or CSC at any level	8 sh
Eight additional semester hours of 300-400 level Information Systems (CIS) courses	8 sh
TOTAL	20 sh

110

COMPUTER INFORMATION SYSTEMS

CIS 116. MICROCOMPUTER APPLICATIONS 4 sh

This course provides the fundamental background necessary to be able to adapt to new and changing computer technology as well as an understanding of the scope of that technology. The student gains basic proficiency and experience with selected widely used computer-based productivity tools (e.g. word processors, spreadsheets, database management systems, e-mail) and operating environments (e.g. DOS, Windows). The student begins the practice of making appropriate use of computer technology by working in a project setting and will be exposed to presentation management and multimedia hypertext tools and the Internet. Offered fall and spring.

CIS 216. ADVANCED MICRO-COMPUTER APPLICATIONS 4 sh

This course addresses advanced features of electronic spreadsheet and database management software and emphasizes writing spreadsheet macros and database command files to solve problems. Students design and present group and individual projects incorporating these tools. Prerequisite: CIS 116 or permission of the instructor. Offered fall and spring.

CIS 220. COMPUTERS AND TEACHING 3 sh

Students planning teaching careers explore current trends of computing at

the elementary, middle, and secondary levels. Topics cover microcomputer hardware, operational techniques, and techniques for selecting, evaluating, and implementing computer programs for educational use. Hands-on experience and projects expose students to computer assisted instruction, computer managed instruction, application software and programming languages appropriate for various grade levels and subject areas. Prerequisite: EDU 211. Offered fall, winter, and spring.

CIS 250. SAS FOR PROGRAMMERS 2-4 sh

This lab course uses the statistical package SAS on the VAX and covers data step, print, sort, freq, plot, means, chart, format and programming techniques to restructure data sets. Other study includes file work (input, output, use of cards, text files vs. SAS data sets), SAS LOG and its use in debugging, SAS graphics package and SAS procedure SQL. Prerequisite: Experience with a programming language.

CIS 330. SYSTEMS ANALYSIS AND DESIGN 4 sh

This in-depth study of standard techniques for analyzing and designing information systems emphasizes effective written and oral communication as students analyze a system in a local company, actively participating in each phase and making on-site visits.

During the design phase, students maintain contacts with real users and develop a product for implementation. Prerequisite: CIS 216. Offered fall.

CIS 340. SYSTEMS IMPLEMENTATION 4 sh

As students continue the work begun in CIS 330, they use decision support software tools such as VP Expert, GURU or Paradox to design a front-end; they run simulations on-line which model the typical working environment; and they build an interface to test, debug and implement the system. Prerequisite: CIS 330. Offered spring.

CIS 371. SPECIAL TOPICS 1-4 sh

Topics such as decision support and expert systems, data communications and networks, and COBOL programming are offered when demand is sufficient.

CIS 481. INTERNSHIP IN INFORMATION SYSTEMS 1-4 sh

Advanced work experiences in computer information systems are offered on an individual basis when suitable opportunities can be arranged. Prerequisites: CIS 340 and permission of instructor.

CIS 491. INDEPENDENT STUDY 1-4 sh

COMPUTER SCIENCE

CSC 130. COMPUTATIONAL PROGRAMMING 4 sh

This introduction to programming and problem solving emphasizes applications from quantitative disciplines and incorporates weekly group lab experiences. Prerequisite: MTH 111 or its exemption. Offered fall and spring.

CSC 171. SPECIAL TOPICS 1-4 sh

Students study specialized pieces of software and programming languages. Prerequisite: CSC 130.

CSC 230. ALGORITHM DEVELOPMENT 4 sh

This course continues the study of the development of algorithms and provides an introduction to the analysis of time and space complexity. Topics include

program correctness, recursion, elementary data structures, modularization and program structure. Approved for advanced level designation. Prerequisite: CSC 130. Offered fall and spring.

CSC 331. ALGORITHM ANALYSIS 4 sh

Students analyze structures and appropriate algorithms for sorting, merging and searching in the contexts of mass storage devices, internal main memory and artificial intelligence applications. Topics include graph algorithms, dynamic storage allocation and garbage collection. Prerequisite: CSC 230. Offered spring.

CSC 342. COMPUTER ORGANIZATION 4 sh

Topics cover architectural levels, systems organization, digital logic, machine level, instruction formats, representation of data and computer arithmetic, assembly, linking and loading and architectural alternatives. Prerequisite: CSC 230. Offered fall.

CSC 351. THEORY OF COMPUTATION 4 sh

In this introduction to theoretical computer science and analysis of discrete mathematical structures which find application in computer science, topics may include predicate calculus, groups, coding theory, graphs, trees, formal languages, grammars, finite state automata, Turing machines, complexity theory. CSC 351 is the same as MTH 351. Prerequisites: CSC 130, MTH 121, 231. Corequisite: CSC 230. Offered fall.

CSC 371. SPECIAL TOPICS 1-4 sh

Topics such as computer graphics, artificial intelligence, design of data base management systems, robotics, simulation and high performance computing are offered when demand is sufficient.

CSC 415. NUMERICAL ANALYSIS 4 sh

(Same course as described in MTH 415.)

CSC 435. PROGRAMMING LANGUAGES/PARADIGMS 4 sh

This course provides an introduction to language definition structure, data types

and structures, control structures and data flow, run-time characteristics and lexical analysis and parsing. Programming assignments involve the use of several languages. Prerequisite: CSC 331. Corequisite: CSC 351. Offered fall.

CSC 441. COMPUTER ARCHITECTURE AND OPERATING SYSTEMS 4 sh

Students study the fundamental concepts of operating systems and their relationship to computer architecture, including such topics as concurrent programming, interrupt processing, memory management, and resource allocation. Prerequisites: CSC 331 and 342. Offered spring.

CSC 451. COMPILER DESIGN AND IMPLEMENTATION 4 sh

This introduction to basic techniques of compiler design and implementation includes specification of syntax and semantics, lexical analysis, parsing and semantic processing. Prerequisite: CSC 435. Offered spring.

CSC 491. INDEPENDENT STUDY 1-4 sh

CSC 499. RESEARCH 1-4 sh

Students engage in undergraduate research under the direction of a Computing Sciences Department faculty member. Maximum of eight semester hours total credit. Prerequisites: Eligibility as determined by the undergraduate research guidelines of Elon College and approval by the department.

COOPERATIVE EDUCATION

Director of Experiential Education: Assistant Professor P. Brumbaugh
Assistant Professors: Donathan, Haworth, Mellor, Olive-Taylor,
 Orndorff, L. Rich, Swint

The Career Services Center offers courses designed to acquaint Elon students with the career decision-making process, to assist them in career exploration and to prepare them for the job search.

COE 110. EXPLORING CAREERS/MAJORS 1 sh

These group career counseling sessions assist students in choosing among college majors and career options. Topics include career decision-making skills, personal values and needs, interest and skill assessments, senior student panel discussions and workshadowing. Recommended for freshmen and sophomores. Offered fall and spring.

COE 310. SECURING A JOB 1 sh

This course helps students prepare for internships, co-ops, summer jobs and permanent employment. Students develop strategies for achieving career goals, investigate critical issues in the workplace, develop a resume, establish job

contacts and learn how to interview effectively. Required of co-op students and recommended for sophomores, juniors and seniors. Offered fall and spring.

The Cooperative Education Work Experience Program enables qualified students to combine classroom theory with professional work experience while completing their degrees. The student may work full-time or part-time with an employer selected and/or approved by the college. Credit hours are based on the number of hours worked during the term—a maximum of 16 semester hours of internship/cooperative education credits may be applied to the 132 semester hours required for the A.B. and B.S. degrees. Evaluation is based on

reported job performance and student reflection on that performance through papers, journals, seminars, class presentations and readings. Contact the Director of Experiential Education for more information.

ELIGIBILITY REQUIREMENTS

Sophomore, junior or senior standing, minimum 2.0 GPA, approval of faculty/Experiential Education Director. COE 310 class required.

COE 381-386.CO-OP WORK EXPERIENCE

1-16 sh

This series of courses involves careful monitoring of students in either a part-time or full-time work experience. Students apply classroom theory in a job related to their major/minor/career objectives. Prerequisite: admission to the program.

113

CRIMINAL JUSTICE

Coordinator: Associate Professor McClearn

The Criminal Justice program engages students in the interdisciplinary study of crime and criminal justice, primarily within the United States. Students will gain an understanding of the psychological and sociological dimensions of crime as well as insights into the workings of the criminal justice system and its components. Students will study both academic and applied aspects of the field. Ethical implications and critical analysis of issues will be stressed.

A minor in Criminal Justice Studies requires the following:

PSY	357	Criminal Behavior	4 sh
SOC	355	Sociology of Crime	4 sh
HUS	359	Criminal Justice	4 sh
Eight semester hours of electives selected from the following:			8 sh

CJS 371-9 Special Topics in Criminal Justice

CJS 481 Internship in Criminal Justice

CJS 491 Independent Study

PHL 341 Philosophy of Law

POL 324 Constitutional Law II

SOC 342 Social Deviance

Other courses as approved by the program coordinator

TOTAL

20 sh

CJS 371-379. SPECIAL TOPICS IN CRIMINAL JUSTICE 2-4 sh

A series of courses reflecting new contributions to the criminal justice field and in-depth treatments of topics of special interest, such as terrorism and organized crime. Prerequisite: Junior standing and at least one core course, or

permission of the instructor. Courses may be cross-listed with other disciplines.

CJS 481. INTERNSHIP IN CRIMINAL JUSTICE 2-4 sh

Students apply classroom knowledge to a law enforcement setting. Internships in a criminal justice setting taken from other disciplines might substitute for CJS

481; approval for any such substitutions must be obtained from program coordinator before registration. Prerequisite: Junior standing and at least one core course, and approval of instructor and program coordinator.

CJS 491. INDEPENDENT STUDY

1-4 sh

Advanced study on a topic of special interest. Prerequisite: Junior standing, at least one core course, and approval of instructor and program coordinator.

DANCE

Chair, Department of Performing Arts: Associate Professor McNeela
Assistant Professor: Romersberger, Wellford
Adjunct Instructors: Hutchins, Medler, Walker, Wheeler

The primary goal of this program is to foster a love and understanding of dance in all its forms. Therefore, students minoring in Dance will spend time learning both in and out of the studio.

Studio technique classes range from beginning to advanced level and include Ballet, Modern, Jazz and Tap. Students in the minor program are required to complete at least the beginning level in three of these areas and at least an intermediate level in two areas.

Students round out their training with History of Dance and Choreography classes. Numerous performance opportunities are also available through Elon Dancers (student dance organization), choreographic showings, major dance concerts, musicals and various other events.

A minor in Dance requires the following courses:

DAN 301	History of Dance	4 sh
DAN 430	Dance Choreography	4 sh

In addition, each minor must complete the following:

- (a) six studio technique classes in three of the following: Ballet, Jazz, Modern, or Tap 6 sh
- (b) electives selected from dance offerings 6 sh
 (At least 2 sh at the 300-400 level)

TOTAL

20 sh

DAN 101. INTRODUCTION TO DANCE 4 sh

Students explore dance history, creative processes of dance and basic dance movement vocabulary. Offered fall or spring.

DAN 104. BEGINNING MODERN DANCE

1 sh

Students with little or no previous experience in modern dance learn the basic movement vocabulary of modern dance while working on style, musical-

ity, strength, flexibility and correct alignment. A student must master the competencies of Beginning Modern Dance as outlined in departmental syllabus before advancing to DAN 204. May be repeated for credit. Offered fall or spring.

DAN 105. BEGINNING TAP

1 sh

The student will be introduced to the basics of rhythm tap, including technique, traditional movement vocabulary, rhythmic sensibility, history and the

development of individual style. May be repeated for credit. Offered fall or spring.

DAN 106. BEGINNING BALLET *1 sh*

Students with little or no previous experience in ballet learn the basic movement vocabulary of modern ballet while working on style, musicality, strength, flexibility and correct alignment. A student must master the competencies of Beginning Ballet as outlined in departmental syllabus before advancing to DAN 206. May be repeated for credit. Offered fall or spring.

DAN 107. BEGINNING JAZZ *1 sh*

Students with little or no previous dance experience learn the basic movement vocabulary of jazz while working on style, musicality, strength, flexibility and correct alignment. A student must master the competencies of Beginning Jazz as outlined in departmental syllabus before advancing to DAN 207. It is recommended that a beginning student complete DAN 104 and DAN 106 before taking DAN 107. May be repeated for credit. Offered fall or spring.

DAN 115. FOLK, SQUARE AND SOCIAL DANCE *1 sh*

This course introduces the student to various folk, square and social dance forms through analysis, demonstration and practice, with the objective being knowledge of the characteristics of each form and ability to participate in each.

DAN 204. INTERMEDIATE MODERN DANCE *1 sh*

Students who have mastered the competencies of Beginning Modern Dance further develop and refine technique and increase strength and flexibility in this class. Enhanced musicality and creative expression are stressed. A student must master the competencies of Intermediate Modern Dance as outlined in departmental syllabus before moving to DAN 304. May be repeated for credit. Prerequisite: DAN 104 or permission of instructor. Offered fall or spring.

DAN 205. INTERMEDIATE TAP *1 sh*

This course continues to focus on the aspects of DAN 105 plus the introduction of contemporary vocabulary, flash work, improvisation, polyrhythms and choreography. May be repeated for credit. Prerequisite: DAN 105 or permission of instructor. Offered fall or spring.

DAN 206. INTERMEDIATE BALLET *1 sh*

Students who have mastered the competencies of Beginning Ballet further develop and refine technique and increase strength and flexibility in this class. Enhanced musicality and creative expression are stressed. May be repeated for credit. Prerequisite: DAN 106 or permission of instructor. Offered fall or spring.

DAN 207. INTERMEDIATE JAZZ *1 sh*

Students with two or more years of dance training further develop and refine technique and increase strength and flexibility in this class. Enhanced musicality and creative expression are important elements of the course. A student must master the competencies of Intermediate Jazz as outlined in departmental syllabus before moving to DAN 307. May be repeated for credit. Prerequisite: DAN 107 or permission of instructor. Offered fall or spring.

DAN 223. DANCE ENSEMBLE *1 sh*

Students accepted into this course will perform in departmental dance activities and must be co-registered in a technique class, preferably at the intermediate or advanced level. Admission by audition only. Offered spring.

DAN 301. HISTORY OF DANCE *4 sh*

Students explore the evolution of dance as an art from its beginning to 20th century trends. Dance as a Performing Art and Dance as a Social and Educational Art will be covered in this course. Students learn through lectures, discussions, experiential dances and two research projects.

DAN 304. ADVANCED MODERN DANCE 1 sh

Students who have mastered the competencies of Intermediate Modern Dance further develop and refine skills in this class. Enhanced physical strength and flexibility are combined with stress upon musicality and creative expression. May be repeated for credit. Prerequisite: DAN 204 and permission of instructor. Offered alternate years.

DAN 305. ADVANCED TAP 1 sh

A continuation of the skills developed in DAN 205 with an intense focus on rhythmic sensibility, development of personal style, choreography and improvisation. Prerequisite: DAN 205 or permission of instructor. May be repeated for credit. Offered fall or spring.

DAN 307. ADVANCED JAZZ 1 sh

Students who have mastered the competencies of Intermediate Jazz further develop and refine technical skills in this class. May be repeated for credit. Prerequisite: DAN 207 and permission of instructor. Offered alternate years.

DAN 306. DANCE FOR MUSICAL STAGE 1 sh

As they become familiar with various music theatre styles from selected historical periods, students also learn dance audition and performance methods for music theatre. Prerequisite: DAN 105, 107 and permission of instructor. Offered fall or spring.

DAN 310. ADVANCED PROJECTS IN DANCE 2-4 sh

For this in-depth study of a special topic, the advanced dancer may be given a performance assignment to demonstrate advanced proficiency in the field (i.e., dance captain for a theatre production, major choreographic duties in department productions, major role in guest choreographer's concert piece, internship at local dance studio culminating in both performance and choreographic work, or an independent research project). Prerequisite: advance permission of instructor.

DAN 320. SPECIAL TOPICS IN DANCE 4 sh

Topics for this in-depth study vary each semester it is offered and may include: Black Theatre & Dance, Dance in Worship, etc. May be repeated for credit.

DAN 430. DANCE CHOREOGRAPHY 4 sh

Students explore the tools used to create dance, namely movement, time, space, shape, design, dynamics sound, text properties and visual effects. This course is designed for students with previous dance experience. Not open to freshmen except in unusual circumstances. Prerequisite: at least two dance technique classes or permission of instructor. Offered fall or spring.

DRAMA

See Theatre Arts

ECONOMICS

The Martha and Spencer Love School of Business*Dean of Love School of Business:* Professor Burbridge*Chair, Department of Economics:* Associate Professor Barbour*Professor:* Tiemann*Assistant Professors:* Das, DeLoach, Lilly, Redington

Economics explores a broad range of questions about society and uses a wide variety of methods to answer those questions. The courses offered by the Economics Department are designed to help students develop economic reasoning — a particular way of looking at the world that is useful in government service, business, the law and many other fields.

The goal of the economics faculty is to teach students to “think like an economist.” This goal is achieved within an extremely flexible major. The department has defined specific tracks that will help students apply their knowledge in a number of areas and help achieve their aspirations. While the tracks provide a suggested framework of classes for students with varied interests, a track is not required for either a major or a minor in economics. The financial economics track would help if a student plans a future in finance or banking; the international economics track for those interested in international careers; the public policy track if the interest is in government service; the economic analysis track for those in market analysis; and the mathematical economics track for students interested in graduate school.

A major in Economics requires the following courses:

MTH 116	Applied Mathematics with Calculus	4 sh or
MTH 121	Calculus and Analytic Geometry I	4 sh
ECO 201	Principles of Economics	4 sh
ECO 202	Statistics for Economics and Business	4 sh
ECO 301	Business Economics	4 sh
ECO 302	Money and Banking	4 sh
ECO 310	Intermediate Macroeconomic Theory	4 sh
ECO 311	Intermediate Microeconomic Theory	4 sh
ECO 461	Senior Project	2 sh
Twelve hours ECO electives at the 300-400 level		12 sh
TOTAL		42 sh

A Minor in Economics requires the following courses:

ECO 201	Principles of Economics	4 sh
One course from the following:		4 sh
ECO 310	Intermediate Macroeconomic Theory	
ECO 311	Intermediate Microeconomic Theory	
Twelve hours from ECO electives, MTH 114, or SSC 285		12 sh
TOTAL		20 sh

ECO 201. PRINCIPLES**OF ECONOMICS**

4 sh

This principles course introduces the fundamentals of macroeconomics and

microeconomics. Topics include supply and demand, macroeconomic equilibrium, unemployment and inflation, consumer theory, theory of the firm,

general equilibrium and economic methodology. Prerequisite: MTH 110 or higher. Offered fall, spring and summer.

ECO 202. STATISTICS FOR ECONOMICS AND BUSINESS 4 sh

Statistics for Economics and Business focuses on the collection, presentation, analysis and interpretation of statistical data. Among the topics covered are: descriptive tools for frequency distributions, central tendency and dispersion; sampling theory and sampling distributions; and techniques for statistical inference, including estimation and hypothesis testing and linear regression. Prerequisite: MTH 116 or 121. No credit for both MTH 114 and ECO 202. Offered fall, spring and summer.

ECO 271. SEMINAR: ECONOMIC ISSUES 1-4 sh

ECO 301. BUSINESS ECONOMICS 4 sh

Business Economics focuses on where firms fit in the analysis of market activity, how economists see the problem of organizing economic activity, understanding when markets solve that problem and why they sometimes do not, and how businesses have emerged as a response to the organization problem. Prerequisites: ECO 201 and 202. Offered fall, spring and summer.

ECO 302. MONEY AND BANKING 4 sh

Students examine the history, structure, and function of money and our banking system, with the assumption that both money and the banking system are evolving institutions that share the same purpose: to help people adapt in an uncertain world where information is imperfect and costly. Prerequisites: ECO 201 and 202.

ECO 310. INTERMEDIATE MACRO-ECONOMIC THEORY 4 sh

This course covers the theory of aggregate demand and supply, sector demand functions (consumption, investment, money), disequilibrium models, economic growth, inflation, unemployment

and expectations, stabilization and control. Prerequisites: ECO 201 and MTH 121 or 116. Offered fall.

ECO 311. INTERMEDIATE MICROECONOMIC THEORY 4 sh

With this study of how individual agents, both firms and households, interact in various kinds of markets, students gain a better understanding of household economic behavior, firm behavior and the conditions under which prices can most effectively allocate scarce resources. Prerequisite: ECO 201. Offered spring.

ECO 312. COMPARATIVE ECONOMIC SYSTEMS 4 sh

Study in Comparative Economic Systems includes capitalism, Marxian theory and theoretical socialism. Prerequisite: ECO 201.

ECO 314. INTERNATIONAL TRADE AND FINANCE 4 sh

The fundamental subjects of international economics include the economic basis for international specialization and trade, economic gains from trade, balance of international payments, problems of international finance and international investments. Prerequisite: ECO 201.

ECO 315. U.S. ECONOMIC HISTORY 4 sh

This course introduces and analyzes the growth and development of the U.S. economy and its institutions from Colonial times to the 20th century. Study emphasizes the "new" economic history; explicit models and quantitative methods of analyzing historical phenomena, including slavery and the South; the industrial economy and its labor force; the transportation revolutions; and government's role in economic change. Prerequisite: ECO 201.

ECO 317. THE ECONOMICS OF WOMEN 4 sh

Students investigate the economic status of women in the U.S. and the factors affecting changes in women's economic

status over time. Topics include economic theories of discrimination, pay equity, occupational segregation, accounting for women's work, resource ownership, the feminization of poverty, gender and race, public policy toward women, and the global economic status of women.

ECO 332. PUBLIC FINANCE 4 sh

Study in public finance takes a positive and normative approach to the role of government in the economy. Public expenditures are discussed in light of pure theory, the theory of social choice and practical application. Prerequisite: ECO 201.

ECO 335. THE ECONOMICS OF ENVIRONMENTAL ISSUES 4 sh

This course explores the interactions of economic forces and policies with environmental issues. What are the costs of pollution and what are we buying for those costs? Who bears the burden of environmental damage? How might we reduce environmental impact and how do we decide how much damage is appropriate? Prerequisite: ECO 201.

ECO 347. STATISTICAL ANALYSIS 4 sh

Students examine applications of statistical techniques for analyzing variance and covariance, chi-square, simple and multiple correlation and regression, interpretation of standard designs used in scientific research, non-parametric tests, time series analysis and decision theory. Prerequisite: ECO 202 or MTH 114.

ECO 365. ECONOMICS APPLICATIONS 4 sh

This course focuses on practical uses of economics in various business and public policy situations. Topics vary yearly. Prerequisites vary with topic. Offered winter.

ECO 366. FIELD ECONOMICS 4 sh

Students travel to observe economic policy making both domestically and abroad. Topics vary yearly. Prerequisites vary with topic. Offered winter.

ECO 371. SEMINAR: SPECIAL TOPICS 1-4 sh

ECO 372. INTERNATIONAL ECONOMIC DEVELOPMENT 4 sh

International Economic Development provides an in-depth study of the meaning, measurement and analysis of economic growth and development, with particular emphasis on the developing economies of Africa, Asia and Latin America. Topics include trade, finance, industrialization, rural/urban migration, agricultural development, women's role in development, employment problems, population growth, education and poverty alleviation. Prerequisite: ECO 201.

ECO 411. DEVELOPMENT OF ECONOMIC THOUGHT 4 sh

Students survey the evolution of economic thought from antiquity to the present and learn to identify and critically evaluate various schools of economic thought. Prerequisite: ECO 310 or 311 or permission of instructor.

ECO 413. LABOR ECONOMICS 4 sh

This course integrates labor theory with observed behavior of firms and households, examining the household supply of effort to the labor market in both the short and long run, the firm's demand for labor, various types of labor markets and causes of wage differentials. Prerequisite: ECO 310 or 311.

ECO 441. ECONOMIC REGULATION 4 sh

Students examine the economic regulation of American business, including the economic rationale and the basic laws concerning antitrust regulation, public utility regulation, and social regulation of business. Prerequisite: ECO 301 or 311.

ECO 461. SENIOR PROJECT 2 sh

For this project, economics majors work individually with a professor to build on work done in previous courses, culminating in a project of presentation quality. Prerequisites: ECO 310, 311, and eight

additional hours of economics numbered 300 or above; senior economics major.

applicable to a major or minor in economics.

ECO 471. SEMINAR: SPECIAL TOPICS 4 sh

ECO 491. INDEPENDENT STUDY

1-4 sh

**ECO 481. INTERNSHIP
IN ECONOMICS** 1-4 sh

A maximum of four semester hours are

EDUCATION

120

Chair, Department of Education: Associate Professor Beamon

Professors: Dillashaw, Simon

Associate Professors: Bass, Wooten

Assistant Professors: Chesley-Carter, DeBique-Richards, Howard, Stuart, Thurlow

Elon's education program prepares teachers for careers in the elementary, middle and high school grades. The program emphasizes practical hands-on experience as well as educational theory and methods classes on campus. Yearly field experiences in public school classrooms begin in the first year and culminate with a semester of full-time teaching in the student's preferred licensure area.

Elon is widely recognized for the success of its teacher education program, which is accredited by the National Council for Accreditation of Teacher Education, and is one of only two private colleges in the state selected to offer the prestigious N.C. Teaching Fellows Program.

Elon College offers programs leading to N.C. licensure in Elementary Education, Middle Grades Education, Special Education (Specific Learning Disabilities), special subject areas for grades K-12 and in seven areas at the secondary level. The goal of the undergraduate program in Education is to foster in the student:

- the knowledge of the purposes of education and the role of the school in our democratic society
- the understanding of the role of the teacher as decision maker
- the knowledge and skills required for developing competence in the various teacher roles
- a belief in the dignity and worth of each individual
- the knowledge of the process of human growth and development
- the knowledge of planning for instruction utilizing various teaching methodologies, materials and organizational patterns
- knowledge of the subject matter in school curriculum
- competence in evaluating student learning
- the knowledge and skills necessary to maintain a classroom environment that facilitates learning and to accommodate the learning needs of exceptional and culturally diverse students
- a desire for professional affiliation, lifelong learning and continuing professional growth and development

The student who successfully completes any of the teacher education programs at Elon College will be eligible for licensure to teach in North Carolina. The State of

North Carolina is party to the Interstate Certification Compact which qualifies Elon College graduates also to be licensed in all states party to this Compact.

Currently there are 26 states which have entered into this reciprocity agreement. Any student planning to teach in a state not a part of the Interstate Certification Compact should obtain a copy of the licensure requirements for a public school teacher from the State Superintendent of Education of the state in which the student plans to teach.

Before being admitted into the Teacher Education Program, the student must make application to the program, be recommended by the appropriate major department, be interviewed and approved by the Teacher Education Committee and meet minimum score requirements on the Pre-Professional Skills Tests. *North Carolina requires the following minimum scores: PPST Reading-176; PPST Mathematics-173; and PPST Writing-173 and a GPA of 2.5 for all coursework completed at the time of admission. The minimum GPA of 2.5 must be maintained to continue in the program.

In all cases, approval for admission to the program is subject to the discretion of the Teacher Education Committee, which bases its decision not only on the above factors, but also on satisfactory command of standard English usage (written and oral) and mental, physical, moral and emotional acceptability for teaching. The Teacher Education Committee may, at its discretion, dismiss a student from the Teacher Education Program.

Application forms for the Teacher Education Program are available in the office of the Department of Education and must be filed by September 15 or February 15 of the semester immediately prior to the beginning of the student's junior year. A student must be unconditionally admitted to the program before being permitted to take education courses beyond the 200 level. Exceptions to this policy must be approved by the Dean, Division of Education/Health, Physical Education and Leisure/Sport Management.

To be recommended for teacher licensure, a student must meet all academic requirements and have a GPA minimum of 2.5. A student must also meet the minimum score on the Test of Professional Knowledge (North Carolina requires a minimum score of 649) and the Specialty Area Test (minimum scores for this test vary with content area) and have a recommendation from the school system in which student teaching was completed.

All students who are education majors or who already hold a Bachelor's degree and are seeking only licensure are subject to the decisions and regulations of the N.C. State Board of Education. These decisions and regulations are binding on the student on the date and time specified by the Board.

* All students planning to teach in a state other than North Carolina must contact the appropriate state's Department of Public Instruction and secure its standards for appropriate requirements.

At Elon College, the teacher education programs are fully approved by the N.C. State Board of Education. While a student ordinarily may graduate and be licensed under the catalog requirements in effect at the time the student is admitted to the Teacher Education Program, the Board may mandate changes in standards of approved teacher education programs, requiring students to modify or add to their original degree programs to be eligible for licensure upon completion of graduation requirements. Students should consult their advisor about current program requirements.

ELEMENTARY EDUCATION

A major in **Elementary Education** consists of the courses necessary to meet the requirements for Elementary Education (K-6) licensure in the public schools of North Carolina. The following courses are required of all Elementary Education majors.

ENG 250	Interpretations of Literature	4 sh
ENG 398	Children's Literature	4 sh
FNA 369	Fine Arts in the Public Schools	4 sh
HED 362	Healthful Living in the Elementary School	3 sh
HST 112	Europe and the Mediterranean World since 1660	4 sh
HST 123	The U.S. and N.C. since 1865	4 sh
GEO 131	The World's Regions	4 sh
POL 111	American Government	4 sh
BIO 101	Topics in General Biology	3 sh
BIO 102	General Biology Lab	1 sh
CHM 101/102	Basic Concepts in Chemistry/Lab	4 sh or
PHY 110	Energy and the Environment	4 sh
PHY 102	Introduction to Astronomy	4 sh or
PHY 103	Introduction to Geology	4 sh
PSY 321	Educational Psychology	4 sh
MTH 210	Mathematics for Elementary and Middle Grades Teachers (GS Math requirement is a prerequisite)	4 sh
CIS 220	Computers and Teaching	3 sh
EDU 211	Introduction to Education with Practicum	4 sh
EDU 321	Reading in the Elementary School	4 sh
EDU 361	Communication Skills Methods and Materials for Elementary Teachers	4 sh
EDU 363	Social Studies Methods and Materials for Elementary Teachers	4 sh
EDU 430	Foundations of Education	3 sh
EDU 450	Meeting Special Learning Needs of Children	3 sh
EDU 465	Mathematics Methods and Materials for Elementary Teachers	4 sh
EDU 467	Science Methods and Materials for Elementary Teachers	4 sh
EDU 480	Student Teaching Seminar	2 sh
EDU 481	Supervised Observation and Student Teaching	10 sh
TOTAL		96 sh

MIDDLE GRADES EDUCATION

A major in **Middle Grades Education** consists of the courses necessary to meet the requirements for Middle Grades (6-9) licensure in the public schools of North Carolina. The following Core Courses are required of all Middle Grades Majors:

FNA 369	Fine Arts in the Public Schools	4 sh
CIS 220	Computers and Teaching	3 sh
PSY 321	Educational Psychology	4 sh

EDU 211	Introduction to Education with Practicum	4 sh
EDU 322	Reading in the Content Areas	2 sh
EDU 430	Foundations of Education	3 sh
EDU 441	Curriculum and Instruction in the Middle Grades	3 sh
EDU 450	Meeting Special Learning Needs of Children	3 sh
EDU 480	Student Teaching Seminar	2 sh
EDU 481	Supervised Observation and Student Teaching	10 sh
Two subject area concentrations		54-60 sh
TOTAL		92-98 sh

In addition to the Core Courses, a student majoring in Middle Grades Education must select two subject area concentrations from the following:

Communication Skills Concentration:

ENG 205	English Grammar	4 sh
ENG 224	American Literature II	4 sh
ENG 250	Interpretations of Literature	4 sh
ENG 319	Writing Center Workshop	4 sh
ENG 399	Young Adult Literature	4 sh
EDU 362	Communication Skills Methods and Materials for Middle Grades Teachers	4 sh
One course from the following:		4 sh
ENG 238	African-American Literature before 1945	
ENG 239	African-American Literature since 1945	
ENG 359	African-American Novels	
ENG 363	Literature and Culture: India, Africa & West Indies	

TOTAL	28 sh
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Social Studies Concentration:

ECO 201	Principles of Economics	4 sh
GEO 131	The World's Regions	4 sh
HST 112	Europe and the Mediterranean World since 1660	4 sh
HST 122	United States History since 1865	4 sh
HST 221	The World in the Twentieth Century	4 sh
HST 361	North Carolina in the Nation	4 sh
POL 111	American Government	4 sh
EDU 364	Social Studies Methods and Materials for Middle Grades Teachers	4 sh

TOTAL	32 sh
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Mathematics Concentration:

MTH 110	The Nature of Mathematics	4 sh
MTH 114	Elementary Statistics	4 sh
MTH 115	College Algebra with Elementary Functions	4 sh
MTH 121	Calculus and Analytic Geometry I	4 sh

MTH 221	Calculus and Analytic Geometry II	4 sh
MTH 210	Mathematics for Elementary and Middle Grades Teachers	4 sh
EDU 422	Materials and Methods of Teaching Middle Grades and Secondary Mathematics	4 sh
TOTAL		28 sh

Science Concentration:

BIO 101	Topics in General Biology	3 sh
BIO 102	General Biology Lab	1 sh
BIO 121	Biological Diversity	4 sh
CHM 111	General Chemistry I	3 sh
CHM 113	General Chemistry Lab	1 sh
PHY 110	Energy and the Environment	4 sh
PHY 102	Introduction to Astronomy	4 sh
PHY 103	Introduction to Geology	4 sh
EDU 424	Materials and Methods of Teaching Middle Grades and Secondary Science	4 sh
TOTAL		28 sh

SPECIAL EDUCATION

A major in Special Education (Specific Learning Disabilities) consists of the courses necessary to meet the requirements for Special Education (K-12) licensure in the public schools of North Carolina. The following courses are required of all Special Education majors.

ENG 250	Interpretations of Literature	4 sh
FNA 369	Fine Arts in the Public Schools	4 sh
HED 362	Healthful Living in the Elementary School	3 sh
HST 112	Europe and the Mediterranean World since 1660	4 sh
HST 123	The U.S. and N.C. since 1865	4 sh
GEO 131	The World's Regions	4 sh
POL 111	American Government	4 sh
BIO 101	Topics in General Biology	3 sh
BIO 102	General Biology Lab	1 sh
CHM 101/102	Basic Concepts in Chemistry/Lab	4 sh or
PHY 110	Energy and the Environment	4 sh
PSY 321	Educational Psychology	4 sh
MTH 210	Mathematics for Elementary and Middle Grades Teachers (GS Math requirement is a prerequisite)	4 sh
CIS 220	Computers and Teaching	3 sh
EDU 211	Introduction to Education with Practicum	4 sh
EDU 321	Reading in the Elementary School	4 sh
EDU 342	Historical, Legal, and Educational Aspects of Special Education	3 sh

EDU 345	Planning and Managing the Learning Environment	3 sh
EDU 347	Nature and Needs of Students with Learning Disabilities	3 sh
EDU 361	Communication Skills Methods and Materials for Elementary Teachers	4 sh
EDU 363	Social Studies Methods and Materials for Elementary Teachers	4 sh
EDU 430	Foundations of Education	3 sh
EDU 435	Assessment Methods, Use and Interpretations	3 sh
EDU 443	Specialized Instructional Methods and Materials	3 sh
EDU 465	Mathematics Methods and Materials for Elementary Teachers	4 sh
EDU 467	Science Methods and Materials for Elementary Teachers	4 sh
EDU 480	Student Teaching Seminar	2 sh
EDU 481	Supervised Observation and Student Teaching	10 sh
TOTAL		100 sh

125

SECONDARY EDUCATION

The student planning to teach at the high school level completes a major in a discipline and the necessary Professional Studies courses for teacher licensure at the secondary level (grades 9 - 12). Secondary Education Licensure is available in Biology, Chemistry, Comprehensive Science, English, History, Mathematics, Physics, and Social Studies. Specific requirements for each program are listed with the appropriate department in this catalog. In general, the following Professional Studies courses must be satisfactorily completed:

EDU 211	Introduction to Education with Practicum	4 sh
EDU 322	Reading in the Content Areas	2 sh
Choose an appropriate methods course:		4 sh
EDU 421	Materials and Methods of Teaching High School English	
EDU 422	Materials and Methods of Teaching Middle Grades and Secondary Mathematics	
EDU 424	Materials and Methods of Teaching Middle Grades and Secondary Science	
EDU 425	Materials and Methods of Teaching High School Social Studies	
EDU 430	Foundations of Education	3 sh
EDU 450	Meeting Special Learning Needs of Children	3 sh
EDU 480	Student Teaching Seminar	2 sh
EDU 481	Supervised Observation and Student Teaching	10 sh
CIS 220	Computers and Teaching (Not required for Mathematics Education majors)	3 sh
PSY 321	Educational Psychology	4 sh
TOTAL		35 sh

SPECIAL SUBJECT AREAS (K-12)

Programs leading to licensure in special subject areas at the K-12 level are available in French, Health Education, Music Education, Physical Education, and Spanish. Specific requirements for these programs are listed with the appropriate department in this catalog. In general, the following Professional Studies courses must be satisfactorily completed:

EDU 211	Introduction to Education with Practicum	4 sh
EDU 322	Reading in the Content Areas	2 sh
One of the following courses:		4 sh
EDU 423	Materials and Methods of Teaching Physical Education	
EDU 427	Materials and Methods of Teaching Health and Safety	
EDU 428	Materials and Methods of Teaching Foreign Languages	
MUS 461	Music Education in the Public Schools	
EDU 430	Foundations of Education	3 sh
EDU 450	Meeting Special Learning Needs of Children (Not required for Physical Education majors)	3 sh
EDU 480	Student Teaching Seminar	2 sh
EDU 481	Supervised Observation and Student Teaching	10 sh
CIS 220	Computers and Teaching	3 sh
PSY 321	Educational Psychology	4 sh

EDU 211. INTRODUCTION TO EDUCATION WITH PRACTICUM 4 sh

This introduction to the concepts of teaching and the teacher's role as a decision maker uses a combination of classroom instruction and practical experiences. Prospective teachers gain greater understanding of the teaching profession and develop an awareness of students' characteristics and needs. Offered fall, winter and spring.

EDU 321. READING IN THE ELEMENTARY SCHOOL 4 sh

Study focuses on developing the philosophical framework, knowledge, and methodology necessary for planning learning experiences to enhance students' language development. Key course components include theory and process, pedagogy, assessment, the learner and professional development. Prerequisites: EDU 211, PSY 321. Offered fall and spring.

EDU 322. READING IN THE CONTENT AREAS 2 sh

The focus of this course is on reading strategies to guide middle school and

high school instruction. Prospective teachers apply readability formulas to content area readings and design activities to promote vocabulary development, comprehension, study skills and writing to learn. Prerequisites: EDU 211, PSY 321. Offered fall and spring.

EDU 342 HISTORICAL, LEGAL, EDUCATIONAL ASPECTS OF SPECIAL EDUCATION 3 sh

This course will address the importance of the historical evolution of the field of special education, including philosophical foundations, legal underpinnings, and current trends. The learning and behavioral characteristics of the various categories of exceptionality will be identified, and issues in definition and identification procedures will be explored. Major theories will be examined in terms of their educational implications for exceptional children. Offered fall.

EDU 345 PLANNING AND MANAGING THE LEARNING ENVIRONMENT 3 sh

This course will review basic classroom

management theories, methods and techniques for students with exceptional learning needs. Attention will be given to ways of applying behavioral modification programs appropriately in order to manage individual and group behavior. Strategies for establishing a positive and supportive learning environment will be explored along with skills for integrating special students in various settings. Offered spring.

DU 347 NATURE AND NEEDS OF STUDENTS WITH LEARNING DISABILITIES 3 sh

A course designed to consider the specific area of disability in depth, including etiology, prevalence and characteristics. This course will review and analyze current practice and research on issues relating to the education of students with learning disabilities. Historical and legal aspects pertaining to the particular area of disability will be reviewed as well. Offered winter.

DU 361. COMMUNICATION SKILLS, METHODS AND MATERIALS FOR ELEMENTARY TEACHERS 4 sh

Students learn how to investigate, evaluate, and select content, methods and materials used in organizing and teaching communication skills in elementary school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, PSY 321. Offered fall and spring.

DU 362. COMMUNICATION SKILLS METHODS AND MATERIALS FOR MIDDLE GRADES TEACHERS 4 sh

This course enables students to investigate, evaluate and select content, methods and materials used in organizing and teaching communication skills in middle school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, PSY 321. Offered fall and spring.

EDU 363. SOCIAL STUDIES METHODS AND MATERIALS FOR ELEMENTARY TEACHERS 4 sh

This course enables students to investigate, evaluate and select content, methods and materials used in organizing and teaching social studies in elementary school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, PSY 321. Offered fall and spring.

EDU 364. SOCIAL STUDIES METHODS AND MATERIALS FOR MIDDLE GRADES TEACHERS 4 sh

This course enables students to investigate, evaluate, and select content, methods and materials used in organizing and teaching social studies in middle school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, PSY 321. Offered fall and spring.

EDU 421. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL ENGLISH 4 sh

In this study of the content and organization of the English curriculum with emphasis on methods and materials used in teaching literature, language skills, and composition, students review print and non-print media, create lesson and unit plans, lead classroom discussions and conduct teaching demonstrations. Public school classroom observation and assistance are required. Prerequisites: EDU 211, PSY 321. Offered fall semester.

EDU 422. MATERIALS AND METHODS OF TEACHING MIDDLE GRADES AND SECONDARY MATHEMATICS 4 sh

Students study the objectives and content of the mathematics curriculum in grades 6-12, including the materials, techniques, and methods of evaluation used in teaching mathematics in middle and high school grades. A practicum in the public schools is required. Prerequisites: EDU 211, PSY 321. Offered fall semester.

**EDU 423. MATERIALS AND METHODS
OF TEACHING PHYSICAL
EDUCATION** *4 sh*

This course covers the methods, materials, and techniques of teaching physical education, including organization and planning of the total curriculum and daily programs. Students also observe and conduct activity classes. Public school practicum required. Prerequisites: EDU 211, PSY 321. Offered fall semester.

**EDU 424. MATERIALS AND METHODS OF
TEACHING MIDDLE GRADES
AND SECONDARY SCIENCE** *4 sh*

Students develop, select and evaluate content, methods and materials used in teaching science at the middle or high school level. Study examines current trends in teaching the natural sciences and addresses safety concerns. Observations and practicum in middle and/or high schools required. Prerequisites: EDU 211, PSY 321. Offered fall semester.

**EDU 425. MATERIALS AND METHODS
OF TEACHING HIGH SCHOOL
SOCIAL STUDIES** *4 sh*

A study of the materials and methods of teaching social studies, emphasizing planning, organization, objectives and evaluation. Public school practicum required. Prerequisite: EDU 211, PSY 321. Offered fall semester.

**EDU 427. MATERIALS AND METHODS
OF TEACHING HEALTH
AND SAFETY** *4 sh*

This course emphasizes methods of curriculum planning, analyzing and developing content area, unit plans and teaching approaches for all levels of school (K-12). Public school practicum required. Prerequisites: EDU 211, PSY 321. Offered fall semester.

**EDU 428. MATERIALS AND METHODS
OF TEACHING FOREIGN
LANGUAGES** *4 sh*

This study of the content and organization of the foreign language curriculum in the public schools emphasizes

methods and materials used in teaching at all levels (K-12) and covers how teaching the four basic skills and the target culture varies at each level. Students discuss theories of planning, instruction, choice of materials and evaluation and gain practical experience by participating in a public school classroom. Prerequisites: EDU 211, PSY 321. Offered fall semester.

**EDU 430. FOUNDATIONS
OF EDUCATION** *3 sh*

This foundations course is a study of the historical development and philosophical basis for public education in the U.S., including the role and influence of schools in society and the teachers role as it has emerged from the philosophies, practices and policies of public education. Offered fall and spring.

**EDU 435 ASSESSMENT METHODS,
USE AND INTERPRETATION** *3 sh*

This course will concentrate on the assessment and evaluation of special needs students. The different purposes of assessment will be explored through both formal and informal measures. Skills will include developing and administering a variety of instruments, interpreting and using assessment data in instructional planning and recognizing the limitations of test instruments, especially as related to cultural and linguistic issues. Current methodologies will be explored, including a variety of authentic assessment procedures. Offered fall.

**EDU 441. CURRICULUM AND
INSTRUCTION IN THE
MIDDLE GRADES** *3 sh*

This study of historical and contemporary curricula and instruction in middle and junior high schools, emphasizes the special curricular and instructional needs of the pre- and early adolescent and explores various programs to teach 11- to 14-year-olds academic and personal skills and concepts. Prerequisite: EDU 211. Offered spring semester.

EDU 443. SPECIALIZED INSTRUCTIONAL METHODS AND MATERIALS 3 sh

Current literature on effective instructional practice will be used as the basis for developing advanced skills necessary to plan and implement instruction for special needs students. Materials will be examined and evaluated in terms of their usefulness for exceptional students. Ways to adapt materials and modify curriculum will be investigated. An emphasis will be placed on the utilization of assessment results in planning instruction. Offered spring.

EDU 450. MEETING SPECIAL LEARNING NEEDS OF CHILDREN 3 sh

This course prepares teachers for using individualized programs for students with special learning needs. Students survey the literature related to instruction of these students, including assessing individual needs and modes of learning with implications for mainstreamed classroom teaching. Offered fall and spring.

EDU 465. MATHEMATICS METHODS AND MATERIALS FOR ELEMENTARY TEACHERS 4 sh

This course enables students to investigate, evaluate and select content, methods and materials used in organizing and teaching mathematics in elementary school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, PSY 321. Offered fall and spring.

EDU 467. SCIENCE METHODS AND MATERIALS FOR ELEMENTARY TEACHERS 4 sh

This course enables students to investigate, evaluate and select content,

methods and materials used in organizing and teaching science in elementary school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, PSY 321. Offered fall and spring.

EDU 480. STUDENT TEACHING SEMINAR 2 sh

This seminar focuses on classroom management strategies, legal aspects of teaching, the teacher as decision maker and creating a professional development plan. Must be taken concurrently with EDU 481. Offered fall and spring.

EDU 481. SUPERVISED OBSERVATION AND STUDENT TEACHING 10 sh

Students experience the classroom full-time for one semester, with periodic conferences with the college supervisor(s) and the classroom teacher(s). The student becomes acquainted with the duties and observes the methods and activities of an experienced teacher, with gradual induction into full-time teaching responsibilities. Corequisite: EDU 480. Prerequisites: EDU 211, 430 and grade of C or better in appropriate methods course(s). Offered fall and spring.

EDU 499. RESEARCH 1-4 sh

Students engage in undergraduate research under the direction of an Education Department faculty member. Maximum of eight semester hours total credit. Prerequisites: Eligibility as determined by the undergraduate research guidelines of Elon College and approved by the department.

ENGLISH

Chair, Department of English: Associate Professor Mackay

Professors: Angyal, Blake, Bland, Gill, Lyday-Lee

Associate Professors: Boyd, Braye, Cassebaum, Gordon, Haskell, Warman

Assistant Professors: Boyle, Butler, Chapman, Olive-Taylor, Peeples, Schwind, Torke

The field of English studies is quite diverse. It involves the theoretical study of literature, language and writing, as well as the practice of literary criticism and analysis, creative writing, and other kinds of writing.

The English department, therefore, provides a balanced curriculum that includes all these elements. The department also offers a major in English with teacher licensure for those wishing to teach at the secondary level. Minors in literature and creative writing, along with an interdisciplinary minor in professional writing, are additional options.

A group of six core courses in literature, language study and writing beyond the freshman level, ensures that English majors have experience in the three principal areas of the discipline. The English curriculum also encourages majors to follow their own talents and interests further by requiring, in addition to the common core, one of four distinct concentrations: literature, writing, creative writing or English teacher licensure.

A NOTE ON THE GENERAL STUDIES LITERATURE COURSE REQUIREMENT

With the exception of film studies courses, English department courses in the 220-279 and 320-379 range normally fulfill the General Studies literature requirement in Liberal Studies.

English department courses in the 200-219 and 300-319 range (i.e., courses in language study, writing, and creative writing) do NOT normally fulfill that requirement.

A major in English requires 40-42 semester hours. The core requirements, above ENG 110, are:

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|--|------|
| An ENG 200-level literature course
(English Teacher Licensure majors must take ENG 221,
British Literature I or ENG 222, British Literature II. If British
Literature II is chosen, English Teacher Licensure majors MUST
take EITHER ENG 342, Shakespeare: The Tragedies OR ENG 343,
Shakespeare: The Comedies, as their author course.) | 4 sh |
| An ENG 200-level or above writing course (ENG 210-219; 310-319)
(English Teacher Licensure majors must take ENG 319,
Writing Center Workshop.) | 4 sh |
| An ENG 200-level or above language study course (ENG 200-209;
300-309) (English Teacher Licensure majors must take ENG 205, Grammar.) | 4 sh |
| Three ENG 300-400 level literature courses: | |
| One historical studies course (ENG 320-329)
(English Teacher Licensure majors who do NOT take ENG 331,
Advanced World Literature, MUST take ENG 321, Classical Literature.) | 4 sh |
| One cultural studies course (ENG 330-339)
(English Teacher Licensure majors who do NOT take ENG 321,
Classical Literature, MUST take ENG 331, Advanced World Literature.) | 4 sh |
| One author course (ENG 340-349)
(English Teacher Licensure majors MUST take ENG 342,
Shakespeare: The Tragedies OR ENG 343, Shakespeare: | 4 sh |

The Comedies, if they do NOT take ENG 221, British Literature I.)

Students must also complete one of the following concentrations:

Literature Concentration

One additional historical studies course (ENG 320-329)	4 sh
Two additional 300-400 level English electives, at least ONE of which must be literature.	8 sh
ENG 495, Senior Seminar	4 sh
TOTAL	40 sh

Writing Concentration

Two additional English writing or language study courses*	8 sh
Four hours chosen from:	4 sh
ENG 204** Current Issues in Writing	
ENG 304 Rhetorical Theory	
ENG 319 Writing Center Workshop	
Four hours of English at the 300-400 level	4 sh
ENG 495 Senior Seminar	4 sh

*Note: No more than 4 sh of Writing Internship (ENG 381) credit may be applied toward the Writing concentration.

**Note: If ENG 204 is chosen, at least 4 sh of "additional writing or language study courses" must be at the 300-400 level.

TOTAL	40 sh
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Teacher Licensure Concentration

ENG 302 History of the English Language	4 sh
ENG 223 American Literature I	4 sh or
ENG 224 American Literature II	4 sh
A 300-400 level literature elective	4 sh
JCM 210 Public Speaking	2 sh
ENG 495 Senior Seminar	4 sh
Set of Professional education courses	35 sh
TOTAL	77 sh

Creative Writing Concentration

Three creative writing courses	12 sh
Acceptable courses include: ENG 213, ENG 214, ENG 314, ENG 315, ENG 316, ENG 317, THE 330, JCM 326.	

Note: If students choose a creative writing course to meet the ENG 200-level writing requirement in the English major core, they will be required to take only 8 sh of further creative writing courses. They may then substitute one 4 sh English elective for the third Creative Writing course.

ENG 495 Senior Seminar	4 sh
TOTAL	40 sh

A minor in English requires the following courses above ENG 110. Students may choose either a literature minor or one of the writing minors.

Literature Minor

ENG 250	Interpretations of Literature	4 sh
One ENG language study course or one ENG writing course beyond English 110		4 sh
Three ENG literature courses, at least two of which should be at the 300–400 level		12 sh
TOTAL		20 sh

Writing Minors

The writing minors are tailored to meet students' career plans and interests. The minor consists of twenty hours. Of that twenty hours, at least twelve must be from performance courses. In performance courses, the fundamental objective is the development of students' writing abilities. Theory courses focus on the theoretical study of some aspect of language and language use rather than on actual writing practice.

Creative Writing Minor

Three or more of the following:		12-20 sh
ENG 213	Creative Writing	
ENG 214	Creative Writing: Poetry (Winter Term)	
ENG 315	Advanced Nonfiction Writing	
ENG 316	Advanced Creative Writing: Poetry	
ENG 317	Advanced Creative Writing: Fiction	
JCM 326	Feature Writing	
THE 330	Playwriting	
Zero to two of the following courses:		0-8 sh
Any English literature or foreign literature course beyond the general studies requirement		
TOTAL		20 sh

Professional Writing Minor

Please note: This is an Interdisciplinary Minor, jointly administered by the English Department and the Interdisciplinary Writing Committee. Questions should be referred to the Chair of the Interdisciplinary Writing Committee.

All students are encouraged to take part in shaping this minor themselves with their advisors.

Students may like to note that, if they are planning a career in the law, courses such as Philosophy 113, Critical Thinking, and English 304, Rhetorical Theory, will be particularly useful. Pre-law students should also work with advisors to arrange internships and practicums in law offices to gain further experience in the kinds of writing that will help them in their legal careers.

Three or more of the following "performance" courses:		12-20 sh
ENG 282	Writing Practicum	
ENG 381	Writing Internship	

JCM 227	Corporate Publishing
BUS 302	Business Communications
ENG 313	Writing for the Professions
Zero to two of the following "theory" courses:	
ENG 319	Writing Center Workshop
ENG 304	Rhetorical Theory
ENG 205	Grammar
PHL 113	Critical Thinking

TOTAL

20 sh

ENG 100. INTRODUCTION

TO COLLEGE WRITING 4 sh

This is a writing workshop focusing on invention, organization, revision and editing skills. A grade of "C-" or better required for admission to ENG 110. Elective credit only. Offered fall.

ENG 106. ANALYTICAL READING 4 sh

Analytical reading is a course designed to help students understand, analyze and retain college level reading material. Elective credit only. Offered fall.

ENG 110. COLLEGE WRITING 4 sh

In this first-year course emphasizing invention, peer response, revising and editing, students learn to develop and make assertions, support them with appropriate evidence, and present them in public form. Students also learn that the style and content of their writing will affect their success in influencing audiences. A grade of "C-" or better required for graduation. Offered fall and spring.

ENG 204. CURRENT ISSUES IN WRITING 4 sh

This course introduces writing as a field of study. Areas of study include writing as a process, writing as a form of thinking, gender and writing, writing and audience, and revising. Prerequisite: ENG 110.

ENG 205. GRAMMAR 4 sh

This study of the English language includes the evolution of prescriptive and descriptive grammars, terminology, parts of speech and function, grammatical structures, and correct usage of standard written English. Prerequisite: ENG 110. Offered fall.

ENG 207. STUDIES IN THE

ENGLISH LANGUAGE 4 sh

As an overview of various areas of language study in our society, topics in this course include: defining standard English and the role of grammar as each is taught, as well as its importance, impact, and messages; regional and social varieties; prejudicial and manipulative forms; slang and jargon; cultural differences; and the importance of a world/universal language. Prerequisite: ENG 110.

ENG 210. WRITING WORKSHOP 4 sh

This course builds upon the objectives for English 110 (College Writing) and offers students the opportunity to devise their own writing projects. It provides a workshop setting for intensive practice in writing, response and revision, along with reading in the theory of writing and rhetoric. Prerequisite: ENG 110.

ENG 213. CREATIVE WRITING 4 sh

For this workshop, students interested in writing poems and short stories may be assigned additional texts for discussion of technique or form. Prerequisite: ENG 110. Offered fall and spring.

ENG 214. CREATIVE WRITING: POETRY READING/WRITING 4 sh

Along with readings of 20th century British, Irish and American poetry, students from all levels spend equal amounts of time discussing their own and others' poems. Study also includes reading quizzes, writing journals and poetry assignments. Prerequisite: ENG 110. Offered winter.

ENG 221. BRITISH LITERATURE I 4 sh

This study of British literature in its social and cultural contexts emphasizes the close reading of texts from the Anglo-Saxon, Medieval and Renaissance periods through the Enlightenment. Prerequisite: ENG 110. Offered fall and spring.

ENG 222. BRITISH LITERATURE II 4 sh

This study of British literature in its social and cultural contexts—from the Romantic, Victorian and Modernist periods through the present—emphasizes the close reading of texts representing the diversity of modern British literary expression. Prerequisite: ENG 110. Offered fall and spring.

ENG 223. AMERICAN LITERATURE I 4 sh

This study of American literature in its social and cultural contexts—from Colonial and Revolutionary periods through the Romantic period—emphasizes the close reading of texts to examine American literary culture from its origins to the post-Civil War era. Prerequisite: ENG 110. Offered fall and spring.

ENG 224. AMERICAN LITERATURE II 4 sh

This study of American literature in its social and cultural contexts—from the post-Civil War era, Progressive and Modernist periods up to the present—involves close reading of selected texts to stress the expansion of the American literary canon. Prerequisite: ENG 110. Offered fall and spring.

ENG 231. INTRODUCTION TO WORLD LITERATURE 4 sh

This course provides an introduction to the study of selected works from European, Asian, African and Latin American literatures (in English translation) with emphasis on literary traditions and genres. Prerequisite: ENG 110. Offered spring of alternate years.

ENG 238. AFRICAN-AMERICAN LITERATURE PRE-1945 4 sh

This course traces the development of the themes of protest, accommodation and escapism found in fiction, poetry

and drama of African-American writers before 1945. Prerequisite: ENG 110. Offered fall of alternate years.

ENG 239. AFRICAN-AMERICAN LITERATURE SINCE 1945 4 sh

An examination of works by major African-American writers since 1945 focuses on making connections between writers. Prerequisite: ENG 110. Offered spring of alternate years.

ENG 250. INTERPRETATIONS OF LITERATURE 4 sh

Interpretations of Literature employs different critical approaches to interpret and evaluate poetry, drama and fiction from a variety of cultures. Prerequisite: ENG 110. Offered fall and spring.

ENG 251. ENGLISH STUDIES IN BRITAIN 4 sh

A study-tour based in London emphasizes the theatre and places of literary and cultural importance. The course includes excursions to such places as Stratford-upon-Avon, Stonehenge and Canterbury. Winter term only. No credit toward English minor.

ENG 282. PRACTICUM IN ENGLISH 1-3 sh

This course provides opportunities for students to observe and record different types of writing produced in an office or business. Prerequisite: ENG 110, permission of instructor and advance arrangement. No credit toward General Studies requirements.

LANGUAGE STUDY: GROUP I

This selection of courses centers on studies in the structure and historical development of the English language and in the theory of rhetoric and composition.

ENG 302. HISTORY OF THE ENGLISH LANGUAGE 4 sh

This study traces the historical development of the English language from its Indo-European origins to the present. Prerequisite: ENG 110. Offered fall.

ENG 303. LINGUISTICS

4 sh

Linguistics is the study of the systems of language, including the phonology, morphology, semantics and varieties (social and regional) of the English language. Prerequisite: ENG 110.

ENG 304. RHETORICAL THEORY

4 sh

In this study of the theories and philosophies underlying rhetoric and composition, ranging from classical rhetoric to contemporary composition theory, students become familiar with major rhetorical and composition theorists, theories and the impact of these theories on writing and thinking. Theorists may include Aristotle, Quintilian, Ramus, Burke, Bakhtin, Shaughnessy and Kristeva. Prerequisite: ENG 110. Offered fall.

ENG 305. AMERICAN ENGLISH

4 sh

This course examines the development of American English — from the 16th-century influences of Jamestown and Massachusetts settlers to creoles developing along the Mexican border and in Florida. Study includes regional and social varieties of English, phonetics and literature that employs dialects. Prerequisite: ENG 110.

ADVANCED WRITING: GROUP II

Courses in this group are specifically designed to provide practice in different kinds of writing beyond the introductory level.

ENG 313. WRITING FOR THE PROFESSIONS

4 sh

Students study professional writing through problem solving. Prerequisite: ENG 110. Offered spring of alternate years.

ENG 315. ADVANCED NONFICTION**WRITING (Selected Focus)**

4 sh

In this writing workshop, students develop a specific aspect of writing ability (e.g., voice, stylistics) or practice a particular type of writing (e.g., essay,

biography, travel writing). Focus changes each semester. Prerequisite: ENG 110. Offered spring of alternate years.

ENG 316. ADVANCED CREATIVE WRITING: POETRY

4 sh

This advanced workshop, centered around students' poems, also includes study of 20th century poetry (occasionally earlier) to learn poetic techniques and to recognize the many possibilities of poetic forms, subjects and voices. Prerequisite: ENG 213 or 214, or permission of instructor. Offered fall.

ENG 317. ADVANCED CREATIVE WRITING: FICTION

4 sh

This advanced workshop, centered around students' stories, also includes study of 20th century fiction (occasionally earlier) to learn techniques and to recognize possibilities for point of view, characterization, structure and diction. Prerequisite: ENG 213 or 214, or permission of instructor. Offered spring.

ENG 319. WRITING CENTER WORKSHOP

4 sh

The Writing Center Workshop enhances students' writing ability while they learn to tutor writing. Students are required to tutor four hours each week in Elon's Writing Center. Strong writing abilities and interpersonal skills recommended. Prerequisite: ENG 110. Offered fall and spring.

HISTORICAL STUDIES: GROUP III

Courses in this group explore literature in historical, interdisciplinary and cross-cultural contexts.

ENG 321. CLASSICAL LITERATURE

4 sh

This study of ancient Greek and Roman literature and culture includes authors such as Homer, Plato, Sophocles, Ovid and Virgil, with readings from mythology, the great epics of the Trojan War, drama, philosophy and lyric in modern translations. Prerequisite: ENG 110. Offered fall.

ENG 322. MEDIEVAL LITERATURE 4 sh

This study of literature and culture of the European Middle Ages includes authors such as Dante, Chretien de Troyes, Chaucer and Malory, with readings from modern translations of epics such as *Beowulf* or *The Song of Roland*, poetry about love or religious experience such as *The Divine Comedy*, or narratives about adventure and chivalry, such as legends of King Arthur. Prerequisite: ENG 110.

ENG 323. RENAISSANCE LITERATURE 4 sh

This study of British and Continental literature and culture of the 16th and early 17th centuries includes authors such as Sidney, Marlowe, Montaigne, Shakespeare and Cervantes. Readings in Renaissance English from Elizabethan and Jacobean drama, sonnet sequences, lyric and narrative poems and precursors of the modern novel, such as *Don Quixote*. Prerequisite: ENG 110.

ENG 324. ENLIGHTENMENT 4 sh

This study focuses on the great works of British, Continental and American literature during an age of reason and sensibility marked by industrial, scientific and political revolutions. Prerequisite: ENG 110.

ENG 325. ROMANTICISM 4 sh

Romanticism provides an interdisciplinary study of British, American and Continental Romantic literature in the context of art, music (especially opera), cultural life and intellectual history. Prerequisite: ENG 110.

ENG 326. REALISM AND THE LATER 19TH CENTURY 4 sh

This study involves an interdisciplinary look at British, American and Continental literary movements (realism, naturalism, symbolism and aestheticism), including reading selected masterworks in the context of the intellectual and cultural life of the period. Prerequisite: ENG 110.

ENG 327. 17TH CENTURY LITERATURE 4 sh

This study of "The Century of Genius" includes works by British and Continental authors who ushered in the modern world. Prerequisite: ENG 110.

ENG 328. MODERNISM 4 sh

This interdisciplinary study of modernism as a dominant intellectual movement of the 20th century explores topics such as alienation, the artist's role, the primitive, consciousness and the unconscious, human rights and the post modern. The literature is supplemented by art, music and philosophical texts. Prerequisite: ENG 110.

CULTURAL STUDIES: GROUP IV

Courses in this group emphasize the study of literature in its cultural context, often from the perspective of a particular social group. Regional, gender, ethnic and class issues are all possible concentrations.

ENG 330. APPALACHIAN LITERATURE 4 sh

A survey of 19th and 20th century Appalachian poetry, short and long fiction, drama, music, film and culture. Prerequisite: ENG 110.

ENG 331. ADVANCED WORLD LITERATURE 4 sh

Advanced study of selected works of European, Asian, African and Latin American literatures (in English translation), from historical and cultural critical perspectives. Prerequisite: ENG 110.

ENG 332. LITERATURE OF THE SOUTH 4 sh

Emphasis is given to major 20th century writers in this study of Southern literature, its background and themes. Prerequisite: ENG 110.

ENG 333. WOMEN IN LITERATURE: FEMINIST APPROACHES 4 sh

Women In Literature studies modern and traditional works of literature

interpreted or reinterpreted from the perspective of feminist literary theories. Prerequisite: ENG 110.

ENG 334. NATIVE AMERICAN LITERATURE 4 sh

In an introduction to American Indian literature from the 18th century through the present, study includes special emphasis on contemporary writers of the Native American Renaissance. Prerequisite: ENG 110.

ENG 335. STUDIES IN CONTEMPORARY LITERATURE 4 sh

A study of contemporary literature includes such topics as the French anti-novel, absurdist drama, metafiction and "magic realism." Prerequisite: ENG 110.

ENG 336. HEMINGWAY AND THE EXPATRIATES 4 sh

A study of the life and work of expatriates in Paris immediately after World War I. Particular emphasis is given to Ernest Hemingway. Prerequisite: ENG 110.

ENG 337. ANGLO-IRISH LITERATURE 4 sh

A study of major Anglo-Irish writers and their affinities with Irish history, mythology, folklore and nationalism includes J. M. Synge, W. B. Yeats, Lady Gregory, James Joyce, Seamus Heaney and others. Prerequisite: ENG 110.

AUTHOR COURSES: GROUP V

Courses in this group focus on the works of individual authors who have captured and continue to hold the imaginations of readers. Typical offerings include Hawthorne, Melville, Poe, Hardy, Dickinson, Cather and those listed below.

ENG 341. CHAUCER 4 sh

A close study of Chaucer's major works in the context of their medieval intellectual and cultural background includes the greater portion of *The Canterbury Tales*, the dream visions, and *Troilus and Criseyde*. Prerequisite: ENG 110.

ENG 342. SHAKESPEARE: THE TRAGEDIES 4 sh

This study of Shakespeare's tragedies examines representative works within their intellectual, cultural and theatrical contexts. Prerequisite: ENG 110.

ENG 343. SHAKESPEARE: THE COMEDIES 4 sh

This study of Shakespeare's comedies examines representative works in their intellectual, cultural and theatrical contexts. Prerequisite: ENG 110.

ENG 344. ROBERT FROST 4 sh

This study of Frost's early development as a lyric poet focuses on the close reading of his poetry, criticism and masques in the context of New England regionalism and the emergence of Modernism in American letters. Prerequisite: ENG 110.

ENG 345. JANE AUSTEN 4 sh

Background study of 18th- and 19th-century England and the development of the novel are part of this examination of the life and writings of Austen. Prerequisite: ENG 110.

ENG 347. WILLIAM FAULKNER 4 sh

This study of the short stories, novels and screenplays of one of America's (and the South's) most inventive and brilliant writers includes readings from *As I Lay Dying*; *Go Down, Moses*; *Sanctuary*; *Absalom, Absalom!*; and *The Hamlet*. Prerequisite: ENG 110.

ENG 348. MARK TWAIN 4 sh

A study of the life and work of Mark Twain as an American humorist, realist, and social critic. Readings include *Roughing It*, *Innocents Abroad*, *The Gilded Age*, *Life on the Mississippi*, *Huckleberry Finn*, and *Pudd'nhead Wilson*, as well as selected shorter works and later writings. Prerequisite: ENG 110.

ENG 349. D. H. LAWRENCE 4 sh

Study of the life and works of this 20th century master includes a special focus

on how he turned his experiences into novels and poems. Lawrence's controversial ideas are viewed as his critical response to Modernism and the industrial civilization of his time. Prerequisite: ENG 110.

GENRE COURSES: GROUP VI

These courses offer studies in specific types of literature, such as poetry, drama, the novel, the essay and the short story. Courses in genre include "kinds" of literature which cut across the more traditional genre labels.

ENG 351. THE NOVEL 4 sh

Focus and content vary in this course, which examines representative novels from different countries and ages. Typical emphases include the American, the British, the picaresque and the political novels and the Bildungsroman. This course sometimes carries an emphasis on gender. Prerequisite: ENG 110.

ENG 352. DRAMA 4 sh

In a study of western drama from ancient Greece to the present, representative texts are examined in their historical and cultural contexts. Prerequisite: ENG 110.

ENG 353. POETRY 4 sh

Examination of representative poetry from different cultures and ages includes at least one epic, shorter narratives, dramatic and lyric poetry. Each student selects one culture, historical period or type of poetry as the focus of an individual research project. Prerequisite: ENG 110.

ENG 354. THE SHORT STORY 4 sh

Study of the short story as a literary form spans from its origins and development by Poe, Chekhov and others to experimental contemporary writers. Typically, five or six collections by writers from a variety of cultures are read, with some attention to the problem of film adaptation. Prerequisite: ENG 110.

ENG 355. LAUGHTER AND COMEDY 4 sh

Students study the psychology of laughter and the philosophy of comedy. Prerequisite: ENG 110.

ENG 356. THE NOVEL: BRITISH WOMEN WRITERS 4 sh

This study of novels by past and present British women writers, using feminist literary theories, also covers the development of the novel as a form and the expression of women's experience in the 18th, 19th and 20th centuries. Prerequisite: ENG 110.

ENG 357. THE LONDON THEATRE 4 sh

Students see productions of Shakespearean and other classic dramas and experience more modern and contemporary plays — both fringe and mainstream — in this study of drama in the London Theatre. Prerequisite: ENG 110. Studies Abroad students only.

ENG 358. MODERN POETRY: BRITISH AND AMERICAN 4 sh

This study of British and American poetry from the first half of the 20th century includes close readings of Yeats, Auden, Frost, Stevens, Williams, Moore, H. D., Eliot and Pound. The course also addresses cultural context and radical changes in poetic forms during this period. Each student completes an extensive project (research, original interpretation, written and oral presentation) on a Modern poet not studied in class. Prerequisite: ENG 110.

ENG 359. AFRICAN-AMERICAN NOVELS 4 sh

This study of novels by such writers as Baldwin, Ellison, Hurston, Walker, Wright, and Morrison gives attention to gender, place, alienation and changes in forms of protest. Prerequisite: ENG 110. Offered fall of alternating years.

GROUP VII SENIOR SEMINAR

ENG 495. SENIOR SEMINAR 4 sh

This course provides a synthesis of studies in the major with additional

work on theory. Students participate in assessment of their major work, write an independent paper and conduct a class session on their chosen topic. Required for all ENG majors in the senior fall semester. Prerequisite: majors only or permission of instructor. Offered fall.

SPECIAL TOPICS

Special Topics courses involve studies of various topics, some of which fall outside the boundaries of traditional literary study. In addition to the courses listed below, offerings may include Literature of the Supernatural, Literature of Nonviolence, Alternate Languages.

ENG 361. GENDER ISSUES IN CINEMA 4 sh

This course explores how well film reveals gender differences between men and women. Time is spent studying gender stereotyping, the psychological accuracy of film's representations of gender and gendered behavior of film directors. Prerequisite: ENG 110.

ENG 362. FILM CRITICISM 4 sh

Film Criticism emphasizes how to interpret cinema critically, using films that illustrate cultural differences, periods and types of filmmaking and achievements in techniques and ideas of the greatest directors. Prerequisite: ENG 110. (ENG 362 is the same as JCM 362).

ENG 363. LITERATURE AND CULTURE: INDIA, AFRICA AND WEST INDIES 4 sh

This course examines ways in which works produced by some 20th-century Indian, African and West Indian (Caribbean) writers embody the social, political and economic concerns of their emerging post-colonial cultures. Prerequisite: ENG 110.

ENG 365. LITERATURE AND THEOLOGY 4 sh

Literature and Theology is an interdisciplinary study focusing on relationships between literary and theological

disciplines with special attention to literature illustrating various approaches to religious questions. Prerequisite: ENG 110. (ENG 365 is the same as REL 365.)

ENG 367. THE ARTHURIAN LEGEND 4 sh

Course study traces the development of stories of King Arthur and the Round Table from their appearance in the early Middle Ages through the present. Genres include chronicle, poetry, fiction and cinema. Prerequisite: ENG 110.

ENG 381. WRITING INTERNSHIP 1-4 sh

Students have an opportunity to apply their writing skills in a business office. By permission of instructor. No credit toward General Studies requirements.

ENG 382. INTERNSHIP IN TEACHING LITERATURE 4 sh

The student will attend a 200-level English department literature course not previously taken and will work with the professor teaching the course to develop journal prompts and quiz or discussion questions, as well as leading some class and small-group discussions. The student will also meet with the professor once a week to discuss strategies for planning the course, selection of texts, the structure of daily class sessions, and the pedagogical techniques used in the course. English majors only. By permission of instructor.

ENG 398. CHILDREN'S LITERATURE 4 sh

Children's literature examines the fields of children's and folk literature to discover material which satisfies educational requirements for children in elementary grades. No credit toward English major/minor. Prerequisites: EDU 211, ENG 110.

ENG 399. YOUNG ADULT LITERATURE 4 sh

In this study of contemporary literature for young adult readers, students read texts appropriate to the adolescent, examine common themes, and apply critical approaches suitable for middle grades and secondary classrooms.

Authors may include Judy Blume, Robert Cormier, S. E. Hinton, Madeleine L'Engle, Gary Paulsen, Katherine Patterson and Cynthia Voigt. Credit toward English

teacher licensure. No credit toward English major/minor. Prerequisites: EDU 211, ENG 110.

ENG 491. INDEPENDENT STUDY

1-4 sh

ENVIRONMENTAL STUDIES

Coordinator: Assistant Professor MacFall

Program Faculty: Professors: Angyal, C. Brumbaugh, Chase, F. Harris

Associate Professors: Arcaro, Gooch, Reddington, Weston

Assistant Professor: Kingston

Elon College offers a B.S. in Environmental Studies, taught from an interdisciplinary approach. All students in the Program take a well-balanced core of classes, encompassing the sciences, humanities, economics, law and public policy. Students focus their personal preferences through upper level courses, emphasizing either a science or policy/economics concentration. Courses in the program are designed for students to consider environmental issues and challenges from many perspectives. They are encouraged to balance human need and desire with the consequences of human impact on the earth. Concepts are presented at many scales, from the local to the global communities. In addition to traditional courses, students are required to participate in an internship experience. The program culminates in a capstone Senior Seminar, in which students are challenged with doing an environmental impact statement for a local or regionally proposed project.

The program—purposeful and well-balanced with a strong core—enables students to focus their personal preferences through upper-level courses emphasizing policy or field investigation. However, the curriculum does concentrate on the essential scientific knowledge needed to create realistic solutions to environmental problems.

The goals of the environmental studies program are to: (1) provide students with a broad interdisciplinary foundation for understanding natural resources issues; (2) develop students' understanding of economic activities and their role in natural resources management and the decision-making process regarding environmental issues; (3) enhance students' decision-making capabilities in the area of environmental conservation and citizen advocacy for balance between economic development and environmental protection; (4) build students' knowledge of the basic scientific concepts that govern the operation of natural ecosystems; (5) adequately prepare students for employment in responsible professional positions in environmental policy and environmental risk assessment in the public and private sectors; and (6) prepare students for successful tenures in graduate school programs in environmental policy and science curricula.

Center for Environmental Studies. A center has been established focusing on community outreach opportunities for students and faculty. Colleagues outside of Elon are working with students and faculty in many areas related to environmental issues, providing research and internship partnerships. These partnerships provide "real world" problem solving opportunities to students, enhancing their professional development.

A Bachelor of Science degree with a major in Environmental Studies requires the following:

PHY 110	Energy and the Environment	4 sh
ENS 111	Introduction to Environmental Science	4 sh

BIO 112	Introduction to Population Biology	3 sh
BIO 114	Population Biology Lab	1 sh
ENS 215	Organismal Biology and Field Techniques	4 sh
BIO 452	General Ecology	4 sh
CHM 111	General Chemistry I	3 sh
CHM 112	General Chemistry II	3 sh
CHM 113	General Chemistry I Lab	1 sh
CHM 114	General Chemistry II Lab	1 sh
ECO 201	Principles of Economics	4 sh
POL 111	Introduction to American Government	4 sh
ENS 381	Internship	2 sh
ENS 461	Senior Seminar	4 sh
Choose one course from the following:		4 sh
PHL 348	Environmental Ethics	
REL 348	Environmental Ethics	
Choose one course from the following:		4 sh
MTH 114	Elementary Statistics	
ECO 202	Statistics for Economics and Business	

TOTAL	50 sh
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Select one of the following two concentrations:

Science Concentration

CHM 211	Organic Chemistry I	3 sh
CHM 213	Organic Chemistry I Lab	1 sh
CHM 305	Environmental Chemistry	4 sh
PHY 103	Basic Concepts in Geology	4 sh
Choose one course from the following:		4 sh
BIO 422	Aquatic Biology	
CHM 311	Quantitative Analysis	

TOTAL	16 sh
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Policy Concentration

POL 328	Public Policy	4 sh
ECO 335	Economics of Environmental Issues	4 sh
POL 428	Environmental Politics & Legislation	4 sh
Choose one course from the following:		4 sh
SOC 332	Contemporary Environmental Issues	
POL 431	Policy Analysis & Program Evaluation	

TOTAL	16 sh
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ENS 111. INTRODUCTION TO ENVIRONMENTAL SCIENCE 4 sh

This course explores the fundamental principles of the biological and physical

sciences behind natural ecosystems. Central focus is an investigation of the root causes of the global environmental crisis: overpopulation, natural resources

depletion and pollution. Students consider different world views and the development of solutions. Satisfies the laboratory science requirement for General Studies. Three class hours, and one laboratory per week. Offered fall and spring.

ENS 215. ORGANISMAL BIOLOGY AND FIELD TECHNIQUES 4 sh

This course examines the basic concepts of plant and animal form and function and the fundamentals of plant and animal systematics, with a focus on herbaceous and woody plants, soil and aquatic invertebrates. Students investigate the natural history of local plant and animal species and their role in community dynamics. Laboratory experiences emphasize keying and identification, field methodologies of specimen collection and preservation, sampling techniques, and population estimation procedures for terrestrial and aquatic ecosystems. Satisfies the General Studies lab science requirement. No credit toward the major or minor. Prerequisites: ENS 111, BIO 112, 114. (ENS 215 is the same course as BIO 215.) Offered fall.

ENS 310. ENVIRONMENTAL ISSUES IN SOUTHEAST ASIA 4 sh

This course focuses on the environmental issues facing the island nations and the mainland countries of Southeast Asia. The major environmental problems in this region of the world include deforestation, soil erosion, habitat destruction, habitat fragmentation,

water pollution from mineral extraction and industry, unsustainable harvesting practices, and rising rates of disease. These issues will be examined in the context of climate, topography, vegetation, societal evolution, and human history. Emphasis will be placed on the demographic, cultural, political, religious, economic, and ecological reasons for the current state of the environment of Southeast Asia. Practical solutions to reduce environmental degradation and promote sustainable development will be examined. This course cannot be used to satisfy a science requirement.

ENS 381. INTERNSHIP IN ENVIRONMENTAL SCIENCE 2 - 4 sh

An internship provides work experience at an advanced level in an environmental science field. Prerequisite: junior/senior standing as an ENS major. Offered fall, winter, spring or summer.

ENS 461. SEMINAR: ENVIRONMENTAL IMPACT ASSESSMENT AND POLICY DEVELOPMENT 4 sh

Students cooperate in a semester-long project, conducting a complete field investigation of a land/water development proposal. The course provides an opportunity for the students to apply their knowledge, analytical and problem-solving skills and ethical perspectives in the creation of a report that could be used by a municipal or regional planning organization. Prerequisite: senior standing as an ENS major. Offered spring.

FINE ARTS

Chair, Department of Visual Arts: Associate Professor Sanford
Associate Professor: Erdmann
Assistant Professors: Hassell, Rubeck, Wellford

FNA 101. INTRODUCTION TO THEATRE 4 sh

Students explore the nature of theatre, how it is created and how it functions in

society. Primary study covers the diversity of the art form, basic terminology and the event/audience relationship. Performance reaction papers,

creative projects and lab hours are required. Offered fall or spring. (FNA 101 is the same course as THE 101.)

FNA 211. INTRODUCTION

TO FINE ARTS

4 sh

This comparative study of the major artistic forms involves readings, exhibitions, cultural events, lectures and workshops with visiting artists, through which students discover works of art, their uses, purposes and aesthetic values. Offered fall and spring.

FNA 251. FINE ARTS STUDIES

IN ENGLAND

4 sh

A study-tour of London emphasizes theatres, concerts and places of cultural importance. Winter only.

FNA 313. BRITISH ART AND ARCHITECTURE

4 sh

Field trips to museums and historically relevant sites complement classroom study of the art and architecture of England from the Anglo-Saxon and Roman periods to the 19th century. Offered fall and spring.

FNA 369. FINE ARTS IN THE PUBLIC SCHOOLS

4 sh

Early childhood and elementary education majors become familiar with current approaches to teaching the arts, with emphasis placed on incorporating the arts into daily instruction. Prerequisites: junior standing, acceptance to the teacher education program and PSY 321.

143

FOREIGN LANGUAGES

Chair, Department of Foreign Languages: Assistant Professor Stroszeck

Associate Professors: Lunsford, Romer, Wilson

Assistant Professors: Cobos, Sumiyoshi

Students preparing for the twenty-first century will encounter a global economy and a world shrinking due to advances in communication technology. Thus, the study of foreign languages is more essential than ever.

The Department of Foreign Languages offers courses in seven languages and programs leading to the Bachelor of Arts degree with a major in French or in Spanish. The student majoring in French or Spanish may also choose to complete the program leading to teacher licensure.

In the French and Spanish programs, the course offerings are balanced between literary, cultural, and linguistic study. Emphasis is put on practical use of the language, and classroom learning is enhanced by video and computer technology and study abroad opportunities.

A major in French requires the following courses:

FRE 321	Conversation	4 sh
FRE 322	Written and Oral Expression in French	4 sh
FRE 331	Introduction to French Literature I	4 sh
FRE 332	Introduction to French Literature II	4 sh
FRE 341	Francophone Literature	4 sh
FRE 361	French Civilization	4 sh
FRE 362	Francophone Cultures Outside France	4 sh
FRE 401	French Linguistics	4 sh
Two additional electives at the 300-400 level		8 sh

TOTAL
40 sh

Study abroad is strongly recommended. Credits earned in an approved study abroad program will substitute for requirements for the major.

A minor in French requires 20 hours, eight of which must be above the 310 level. A winter term abroad is encouraged.

A major in Spanish requires the following courses:

Language Courses:

Choose at least one of the following:	4 sh
SPN 421 Advanced Spanish Grammar	
SPN 451 Spanish Phonetics	
SPN 371 Special Topics	

Conversation/Composition Courses:

Choose at least one of the following:	4 sh
SPN 321 Advanced Composition	
SPN 322 Written and Oral Expression	
SPN 371 Special Topics	

Culture Courses:

Choose at least two of the following:	8 sh
SPN 361 Spanish Civilization	
SPN 362 Latin American Civilization	
SPN 371 Special Topics	

Literature Courses:

Choose at least two of the following:	8 sh
SPN 331 Spanish Literature I	
SPN 332 Spanish Literature II	
SPN 341 Latin American Literature I	
SPN 342 Latin American Literature II	
SPN 371 Special Topics	

Elective Courses: 16 Sh

You may complete a 40-hour major by taking any Spanish courses above the 310 level, chosen from the categories above, or taken during study-abroad programs in Spain or Latin America.

TOTAL 40 sh

Study abroad is strongly recommended. Credits earned in an approved study abroad program will substitute for requirements for the major.

A minor in Spanish requires 20 hours, eight of which must be above the 310 level. A winter term abroad is encouraged.

A major in French or Spanish with Teacher Licensure, K-12, requires the above 40 semester hours including SPN 421 and SPN 451, plus 35 semester hours professional studies courses in Education and Psychology.

CHINESE**CHN 110. ELEMENTARY CHINESE** 4 sh

An introduction to Chinese language and culture, this course assumes no prior knowledge. Practical, conversational usage of the language is stressed as is study of the culture of China. Offered Fall. No prerequisite.

CHN 210. INTERMEDIATE CHINESE 4 sh

This course is designed for students with some prior knowledge of the language and serves as a systematic review within a cultural context. Practical, conversational usage of the language is stressed as is the culture of China. Offered Spring. Prerequisite: CHN 110, 3 years of high school Chinese, or permission of the instructor.

CHN 310. ADVANCED CHINESE 4 sh

This course is designed for students who have mastered the basic concepts of the language. Speaking skills and character writing within a cultural context are further developed. Prerequisite: Chinese 210, 4 years of high school Chinese, or permission of the instructor.

FRENCH**FRE 110. ELEMENTARY FRENCH** 4 sh

An introduction to French language and culture, this course assumes no prior knowledge. Practical, conversational usage of the language is stressed, as is study of the culture of the French-speaking countries. Offered fall and Spring. No prerequisite.

FRE 210. INTERMEDIATE FRENCH 4 sh

This course, designed for students with some prior knowledge of the language, is a systematic review within a cultural context. Practical, conversational usage of the language is stressed, as is study of the culture of the French-speaking countries. Offered Fall and Spring. Prerequisite: FRE 110 or 2 years of high school French.

FRE 310. ADVANCED INTERMEDIATE**FRENCH** 4 sh

This course is designed for students who have mastered the basic concepts of the language. Structures such as compound tenses and the subjunctive are studied within the context of the culture of the French-speaking countries. Prerequisite: FRE 210 or 3 or more years of high school French.

FRE 321. CONVERSATION 4 sh

Conversational study develops abilities in everyday spoken communication with emphasis on building vocabulary and speaking proficiency. Prerequisite: FRE 310 or 4+ years of high school French or permission of instructor. Offered every third year.

**FRE 322. WRITTEN AND ORAL
EXPRESSION IN FRENCH** 4 sh

Intensive practice in oral and written expression focuses on refinements in structure, conversation and writing for specific purposes. Prerequisite: FRE 310 or permission of instructor. Offered every third year.

**FRE 331. INTRODUCTION TO
FRENCH LITERATURE I** 4 sh

Major texts of literature of France from the Middle Ages through the 18th century are taught in their historical, social and cultural context. Prerequisite: FRE 310 or permission of instructor. Offered every third year.

**FRE 332. INTRODUCTION TO
FRENCH LITERATURE II** 4 sh

Major French literary texts (since the time of Napoleon) are taught in their historical, social and cultural context. Prerequisite: FRE 310 or permission of instructor. Offered every third year.

FRE 341. FRANCOPHONE LITERATURE 4 sh

This study covers the major texts of French expression from Africa, the Antilles and Canada. Prerequisite: FRE 310 or permission of instructor. Offered every third year.

FRE 361. FRENCH CIVILIZATION 4 sh

Study of the history, geography, people and institutions of France from prehistoric times to the present emphasizes France's many contributions to Western civilization. Prerequisite: FRE 310 or permission of instructor. Offered every third year.

FRE 362. FRANCOPHONE CULTURES OUTSIDE FRANCE 4 sh

This course studies regional cultures around the world influenced by France, notably Africa, the Antilles and Canada. Prerequisite: FRE 310 or permission of instructor. Offered every third year.

FRE 371. SPECIAL TOPICS 4 sh

Topics may include advanced study of cinema, selected literary authors, periods, genres or regions. Prerequisite: FRE 310 or permission of instructor.

FRE 401. FRENCH LINGUISTICS 4 sh

Practice in phonetic transcriptions and sound discrimination is part of this study of the French language system, including phonology, morphology and semantics. Prerequisite: FRE 310 or permission of instructor. Offered every third year.

FRE 481. INTERNSHIP 1-4 sh

Work experience at advanced level using French language skills. Project must be approved by the department. For majors/minors only.

FRE 491. INDEPENDENT STUDY 2-4 sh**GERMAN****GER 110. ELEMENTARY GERMAN** 4 sh

An introduction to German language and culture, this course assumes no prior knowledge. Practical, conversational usage of the language is stressed, as is study of the culture of the German-speaking countries. Offered Fall. No prerequisite.

GER 210. INTERMEDIATE GERMAN 4 sh

This course, designed for students with some prior knowledge of the language, is

a systematic review within a cultural context. Practical, conversational usage of the language is stressed, as is study of the culture of the German-speaking countries. Offered Spring. Prerequisite: GER 110 or 2 years of high school German.

GER 310. ADVANCED INTERMEDIATE GERMAN 4 sh

The advanced course is designed to further develop speaking and writing skills in a cultural context. Prerequisite: GER 210 or 3+ years of high school German.

GREEK**GRK 110. ELEMENTARY GREEK** 4 sh

This intensive study covers Hellenistic Greek grammar and vocabulary.

GRK 210. INTERMEDIATE GREEK 4 sh

Intermediate study includes readings in Greek from the First Letter of John and the Gospel of Mark in the Greek New Testament to improve grammar and vocabulary.

GRK 310. ADVANCED GREEK 4 sh

Readings include the letters of Paul in the Greek New Testament to reach advanced levels of grammar and vocabulary.

JAPANESE**JPN 110. ELEMENTARY JAPANESE** 4 sh

An introduction to the Japanese language and culture, this course assumes no prior knowledge. Practical, conversational usage of the language is stressed as is a study of the culture of Japan. Japanese syllabaries (Hiragana and Katakana) and some Kanji (Chinese characters) are also taught as introduced in the cultural readings. Offered Fall. No prerequisite.

JPN 210. INTERMEDIATE JAPANESE 4 sh

This course is designed for students with some prior knowledge of the language and serves as a systematic review within a cultural context. Linguistic elements of the language are introduced with practical, conversational usage of the language stressed. More Kanji charac-

ters are taught to help develop reading and writing skills. Offered Spring.
Prerequisite: JPN 110, 3 years of high school Japanese, or permission of the instructor.

SPN 310. ADVANCED INTERMEDIATE JAPANESE 4 sh

This course is designed for students who have mastered some basic concepts of the language. Advanced linguistic skills are introduced with concepts to help develop oral communication within a cultural context. Kanji characters are continually introduced to enhance advanced reading and writing skills. Prerequisite: Japanese 210, 4 or more years of high school Japanese, or permission of the instructor.

SPANISH

SPN 110. ELEMENTARY SPANISH 4 sh

An introduction to Spanish language, this course assumes no prior knowledge. Practical, conversational usage of the language is stressed, as is study of the culture of the Spanish-speaking countries. Offered fall and spring. No prerequisite.

SPN 210. INTERMEDIATE SPANISH 4 sh

This course, designed for students with some prior knowledge of the language, is a systematic review within a cultural context. Practical, conversational usage of the language is stressed, as is study of the culture of the Spanish-speaking countries. Prerequisite: SPN 110 or 2 years of high school Spanish. Offered fall and spring.

SPN 310. ADVANCED INTERMEDIATE SPANISH 4 sh

This course is designed for students who have mastered the basic concepts of the language. Structures such as compound tenses and the subjunctive are studied within the context of the culture of the Spanish-speaking countries. Prerequisite: SPN 210 or 3+ years of high school Spanish.

SPN 321. CONVERSATION 4 sh

Conversational Spanish involves intensive practice in everyday communication situations with emphasis on vocabulary and speaking proficiency. Prerequisite: SPN 310 or permission of instructor. Offered every third year.

SPN 322. WRITTEN AND ORAL EXPRESSION IN SPANISH 4 sh

Intensive practice in oral and written expression focuses on refinements in structure, conversation and writing for specific purposes. Prerequisite: SPN 310 or permission of instructor. Offered every third year.

SPN 331. SPANISH LITERATURE I 4 sh

Study surveys the development of Spanish literature from its beginnings in the Middle Ages through the Renaissance and the Golden Age. Prerequisite: SPN 310 or permission of instructor. Offered every third year.

SPN 332. SPANISH LITERATURE II 4 sh

Study continues a survey of Spanish literature during the 18th, 19th and 20th centuries. Prerequisite: SPN 310 or permission of instructor. Offered every third year.

SPN 341. LATIN AMERICAN LITERATURE I: DISCOVERY, CONQUEST, COLONIAL ERA AND INDEPENDENCE 4 sh

This survey course introduces students to the literature of the Spanish-speaking nations of Latin America from the 15th century through the 19th century. Emphasis is on the 300-year period when the Latin American nations were colonies of Spain, and on the 19th century, when these nations freed themselves from Spanish rule, but were still under the literary influence of the mother country. Prerequisite: SPN 310 or permission of instructor.

SPN 342. LATIN AMERICAN LITERATURE II: FROM MODERNISM TO MAGIC REALISM 4 sh

This survey course introduces students to the rich literature of Latin America in

the 20th century. Emphasis is placed on the Modernist movement, major women writers, Pablo Neruda and other Nobel Prize winners, and the Magic Realism movement. Prerequisite: SPN 310 or permission of instructor.

SPN 361. SPANISH CIVILIZATION 4 sh

A study of the history, geography and people of Spain—from prehistoric times to the present—emphasizes Spain's many contributions to Western civilization. Prerequisite: SPN 310 or permission of instructor. Offered every third year.

SPN 362. LATIN AMERICAN CIVILIZATION 4 sh

This course examines Latin American geography, history, art, architecture, music, government, economy, ethnicity, languages and culture, including a study of each country. Prerequisite: SPN 310 or permission of instructor. Offered every third year.

SPN 371. SPECIAL TOPICS 4 sh

Topics may include advanced study of language, cinema, selected literary authors, periods, genres or regions. Prerequisite: SPN 310 or permission of instructor.

SPN 421. ADVANCED GRAMMAR 4 sh

This course is an intensive study of those points of Spanish grammar that tend to cause the most problems for learners of the language. Particular attention will be

given to the two past tenses (preterit and imperfect); *ser* versus *estar*, and the subjunctive. This course explores why Spanish functions differently from English, and then gives students intensive practice in applying the principles that they have learned. Composition, translation and oral practice will all be used to achieve increased grammatical accuracy. Prerequisite: SPN 310 or permission of instructor.

SPN 451. PHONETICS 4 sh

A course designed to give students an in-depth understanding of the phonetic system of the Spanish language, and to perfect the student's pronunciation. Students will learn how sounds are produced and will learn to imitate native speakers accurately through a variety of classroom exercises, recordings and videos. Through phonetic transcription and listening exercises, students will learn to hear accurately and to distinguish between similar sounds. Students will also study with wide phonetic variations that occur within the Spanish-speaking world. Prerequisite: SPN 310 or permission of instructor.

SPN 481. INTERNSHIP 1-4 sh

Work experience at advanced level using Spanish language skills. Project must be approved by the department. For majors/minors only.

SPN 491. INDEPENDENT STUDY 2-4 sh

GENERAL STUDIES

The General Studies program gives breadth as well as depth to a college education. It provides students with opportunities to see the broad view of human civilization, experience great ideas and art, and learn the science and math skills that no contemporary leader or individual thinker can be without.

Through training in writing and other communication skills as well as in learning to work independently, to think critically and constructively, to handle quantitative data, to respect cultures world wide, and to develop habits of responsible leadership, this program develops the whole person. It is a major focus of a college career from beginning to end — challenging students, preparing them for both leadership and independent thought, and, most of all, deepening and enriching their lives.

GST 110. THE GLOBAL EXPERIENCE 4 sh

This first-year seminar examines public responsibility in a global context. It explores some of the implications created by cultural and natural diversity and the possibilities for human communication and cooperation within this diversity. The course emphasizes student and faculty creativity through active and collaborative learning. The seminar is writing intensive. Limited to first-year students. Offered fall and spring.

GST 300-499. ADVANCED**INTERDISCIPLINARY SEMINARS**

4 sh

These seminars are the capstone of the General Studies Program. Students work with faculty to examine an issue or topic from multiple viewpoints. Students will refine and communicate their own ideas while crossing the borders between traditional academic disciplines.

The subjects of these seminars are chosen by individual faculty members, and vary from semester to semester.

This allows these courses to reflect the strengths and interests of faculty members from across the campus. Recently, the topics have included: Quest for Wholeness; History of the Holocaust; Sex and Society; and Autobiography: Telling Lives. The seminars are writing intensive. Prerequisite: Completion of at least 62 semester hours.

EXPERIENTIAL LEARNING

1 unit

The Experiential Learning Requirement asks students to practice close observation of the world around them and to reflect insightfully on those observations. Exposure to diversity helps students see the interrelationships between academic studies and other experiences. The requirement may be met in one of four ways: 1) in field-based courses like internships, study abroad, practicums, co-ops, and student teaching; 2) through 40 hours of service or volunteer activities; 3) through a leadership role; and 4) through a different activity that will allow the student to observe and reflect on his or her experience.

149

GEOGRAPHY

Coordinator: Assistant Professor Cates

Adjunct Instructors: Harris, Martin, Mitchell

A minor in Geography requires the following courses:

GEO 121 Earth Science 4 sh

GEO 131 The World's Regions 4 sh

One course from 4 sh

BIO 111 Introduction to Environmental Science

PHY 103 Introduction to Geology

POL 241 International Relations

Four semester hours of GEO elective 4 sh

Four additional semester hours chosen from GEO elective 4 sh

BIO 111 Introduction to Environmental Science

PHY 103 Introduction to Geology

POL 241 International Relations

(courses may not be counted twice)

TOTAL**20 sh**

GEO 121. EARTH SCIENCE 4 sh

Earth science involves study of the natural environment, its elements and its processes, including environmental degradation and protection. Students learn to use both traditional and electronic data sources, atlases and methods of data presentation. Offered fall or spring.

GEO 131. THE WORLD'S REGIONS 4 sh

This survey of the regions of the world emphasizes place names and environmental and human characteristics which provide both the common traits and the distinctive characteristics of different places. Students analyze change, problems, potentials and alternative futures and use traditional and electronic data sources, atlases and methods of data presentation. Offered fall and spring.

GEO 311. GEOGRAPHY OF NORTH AMERICA 4 sh

In studying the United States, Canada and Mexico, students focus on place names, regional differences in environmental and human characteristics, print and electronic atlases and information

sources and mapping methods for spatial data. Offered every other year.

GEO 321. GEOGRAPHY OF EUROPE 4 sh

Study of Europe, including the European CIS countries, emphasizes place names, regional variation in environmental and human characteristics, print and electronic atlases and information sources and mapping methods for spatial data. Offered every other year.

GEO 331. GEOGRAPHY OF NORTH CAROLINA 4 sh

In studying North Carolina and its regions, students concentrate on place names, regional variation in environmental and human characteristics, print and electronic atlases and information sources and mapping methods for spatial data. Offered every other year.

GEO 481. INTERNSHIP IN GEOGRAPHY 1-4 sh

Internship is limited to 4 semester hours credit toward geography minor. Prerequisite: GEO 121, 131 and permission of instructor.

GEO 491. INDEPENDENT STUDY 1-4 sh**HEALTH, PHYSICAL EDUCATION AND LEISURE**

Chair, Department of Health, Physical Education and Leisure: Professor Calhoun

Professors: Beedle, Brown, A. White

Associate Professors: Drummond, Parham

Assistant Professors: Baker, Binkley, Davis, Leonard, Miller, Morningstar, Ross, Seagraves, Simons, Walch, Waters

Instructors: Apke, Baumgardner, Beckman, Gillenwater, Kennedy, Paul, Reilly, Travathan, Webster

The Department of Health, Physical Education and Leisure offers majors in Health Education, Leisure/Sport Management, Physical Education and Sports Medicine.

HEALTH EDUCATION

The Health Education curriculum is designed to prepare teachers of health and safety education (kindergarten through senior high school) in both public and private school systems. The program of study incorporates school goals and objectives for establishing and maintaining quality health education programs that are planned, comprehensive, personalized, practical, sequential and oriented toward mental, social and physical well-being.

This is accomplished through a wide range of specialized theory courses and many opportunities to apply, evaluate and refine necessary skills in laboratory settings. Studies in health education explore ways to educate students and the public about contemporary health issues such as personal safety, nutrition, substance abuse, disease prevention and human sexuality.

A major in Health Education requires the following courses:

HED 220	First Aid	1 sh
HED 321	Health Services and Consumerism	4 sh
HED 324	Nutrition	4 sh
HED 325	Substance Abuse and Human Behavior	4 sh
HED 326	Human Sexuality	4 sh
HED 421	Health of the Body Systems	4 sh
PED 305	Legal Aspects in HPEL	2 sh
PED 411	Measurement and Evaluation	4 sh
BIO 161	Human Anatomy	4 sh
BIO 162	Human Physiology	4 sh
EDU 427	Materials and Methods of Teaching Health and Safety	4 sh

Completion of Teacher Licensure requirements

TOTAL **39 sh**

Students also take the professional studies requirements listed for Special Subjects areas (K-12) in the Department of Education.

Physical Education endorsement for the Health Education major requires the following courses:

EDU 423	Materials and Methods of Teaching Physical Education	4 sh
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Sixteen additional hours chosen from the following courses: 16 sh

PED 211	History/Foundations of Sport/Physical Education (4 sh)
PED 310	Motor Learning Theory for Teaching and Coaching (4 sh)
PED 321	Kinesiology (4 sh)
PED 341	Theory of Coaching (2 sh)
PED 360	Elementary Physical Education (K-6) (4 sh)
PED 410	Organization and Administration (4 sh)
PED 423	Physical Education for the Exceptional Child (2 sh)
PED 125	Skills and Activities for Teaching (3 sh)
SPM 422	Physiology of Exercise (4 sh)

TOTAL **20 sh**

A minor in Health Education requires the following courses:

HED 321	Health Services and Consumerism	4 sh
HED 324	Nutrition	4 sh
HED 325	Substance Abuse and Human Behavior	4 sh
HED 326	Human Sexuality	4 sh

Four semester hours chosen from additional courses required for the Health Education major.

TOTAL**20 sh****HED 110. WELLNESS***3 sh*

Students study the components of a lifestyle of wholeness and well-being and develop a lifelong personal wellness program based on the physiological and psychological principles of wellness/fitness and personal decision-making. Offered fall, winter, spring and summer.

HED 220. FIRST AID*1 sh*

This is a course which provides a background in first aid and CPR principles, procedures and skills emphasized in the latest American Red Cross courses. Consideration is given to personal and community safety in everyday living. Special fee: \$13.00.

HED 321. HEALTH SERVICES**AND CONSUMERISM***4 sh*

This introduction to comprehensive health education emphasizes health trends, objectives, products, services and factors that influence personal choice in the health marketplace. Students study methods of identifying and managing major health risk behaviors and investigate health education in the school and community, health services, resources, networking and health promotion. Experiential hours in a community health agency required. Offered fall of even-numbered years.

HED 324. NUTRITION*4 sh*

A comprehensive study of nutrient basics, digestion, metabolism, vitamins, minerals, supplements, steroids, weight management, eating disorders, nutritional deficiencies and imbalances. Emphasizes practical application of nutrition concepts throughout the life cycle and investigates food technology and food safety. Offered fall and spring.

HED 325. SUBSTANCE ABUSE**AND HUMAN BEHAVIOR***4 sh*

Students study the interactions among personality, psychoactive agents, and societal and psychological motivations. Drug abuse is examined from the perspectives of pharmacology, psychosocial impact, prevention strategies and rehabilitation. Offered spring of even-numbered years.

HED 326. HUMAN SEXUALITY*4 sh*

A comprehensive study of biological and psychosocial sexuality throughout the life cycle, including male and female physiology, contraception, pregnancy, childbirth, sexually transmitted diseases, gender roles, intimate relationships, parenting and deviant sexual behavior. Offered fall of odd-numbered years.

**HED 362. HEALTHFUL LIVING IN THE
ELEMENTARY SCHOOL***3 sh*

Provides a study of health, safety and physical education needs of elementary children (including content and methodology) and the integration of those needs with the curriculum. Offered fall and spring.

**HED 421. HEALTH OF THE
BODY SYSTEMS***4 sh*

Students study the interdependency of body systems and diseases and conditions that affect human health and well being. Topics include the historical foundation of health professions, immunology, pathophysiology of prominent acute and chronic diseases, sociocultural factors that influence health, and consequences and prevention of major health risk behaviors. Methods of health appraisal and screening are also investigated. Prerequisites: BIO 161, 162 Offered spring.

HED 491. INDEPENDENT STUDY*1-4 sh*

LEISURE/SPORT MANAGEMENT

Study in Elon's Leisure/Sport Management program offers excellent preparation for those wishing to enhance quality of life for themselves and others through leisure opportunity. Specifically, students develop a philosophical foundation in leisure and sport, acquire a knowledge base in business administration, study interpersonal skills applicable to the leisure setting and learn by active participation.

A major in Leisure/Sport Management requires the following courses:

LSM 212	Introduction to Leisure/Sport Management	4 sh
LSM 326	Planning and Maintenance Management	4 sh
LSM 327	Leisure/Sport Programming	4 sh
LSM 425	Leisure and the Environment	2 sh
LSM 461	Senior Seminar	4 sh
LSM 481	Internship in Leisure/Sport Management	6 sh
PED 305	Legal Aspects in HPEL	2 sh
PED 410	Organization and Administration	4 sh
HED 220	First Aid	1 sh
SPM 432	Research Methods	4 sh
ACC 201	Introduction to Financial Accounting	4 sh
BUS 302	Business Communications	4 sh
BUS 311	Principles of Marketing	4 sh
PUB 231	Introduction to Public Administration	4 sh

TOTAL **51 sh**

A minor in Leisure/Sport Management requires the following courses:

LSM 212	Introduction to Leisure/Sport Management	4 sh
LSM 326	Planning and Maintenance Management	4 sh
LSM 327	Leadership and Programming	4 sh
LSM 425	Leisure and the Environment	2 sh
LSM 461	Senior Seminar	4 sh

TOTAL **18 sh**

LSM 212. INTRODUCTION TO LEISURE/SPORT MANAGEMENT 4 sh

An introduction to leisure/sport management fundamentals emphasizing the role and relevance of each to society. Students study terminology, philosophies and evolution of leisure, internal and external recreation factors, leisure concepts and contemporary issues. Offered fall and spring.

LSM 325. LEISURE AND AGING 3 sh

Students examine the leisure needs and characteristics of older adults, focusing

on problems inherent in leisure service delivery systems for aging clientele. (LSM 325 is the same as HUS 325.)

LSM 326. FACILITY PLANNING AND MAINTENANCE MANAGEMENT 4 sh

This study focuses on area and facility planning and maintenance principles in leisure settings, including developing a master plan, and analyzing the relationship of maintenance and planning to risk management, visitor control, vandalism and law enforcement. Offered fall.

LSM 327. LEADERSHIP AND PROGRAMMING

4 sh

Students study the principles of leadership and group dynamics as they apply to leisure activity programming and learn to identify, develop and apply component skills such as needs assessment, inventory, evaluation, etc. Offered fall.

LSM 425. LEISURE AND THE ENVIRONMENT

2 sh

This course examines relationships between outdoor recreation and the natural environment, including such topics as spiritual relationships of recreation to nature, social and psychological aspects of the outdoor experience and resource policies. Offered spring.

LSM 461. SENIOR SEMINAR

4 sh

Students review their major work and education and demonstrate ability to analyze contemporary issues/problems in leisure and sport management. Offered spring.

LSM 481. INTERNSHIP IN LEISURE/SPORT MANAGEMENT

6 sh

This course provides students with 240 supervised hours (agency/college) of experiential exposure in the area of their vocational interest. Students demonstrate knowledge, skills, abilities and competencies in the areas of: organization and administration, leadership techniques, program planning and implementation, fiscal administration, personnel development and supervision, public and political relations and area/facility planning, development and maintenance. Students will submit the following to the academic supervisor: learning objectives; weekly reports; and an agency survey showing comprehensive knowledge of the agency. Arrangements with a professor should be made prior to the semester in which the internship is taken. Prerequisite: for majors only. Offered fall, spring and summer.

LSM 491. INDEPENDENT STUDY

1-4 sh

PHYSICAL EDUCATION

The Physical Education curriculum is designed to prepare students to become teachers. The program is broad-based and includes evaluating and improving the student's psychomotor and cognitive skills through a wide range of activity courses, specialized theory courses and continued opportunity for applying these skills and concepts in laboratory settings.

Through this study students gain knowledge of the concepts and skills related to sport and physical activity. Graduates in this major are successful teachers and coaches and many pursue graduate degrees.

A major in Physical Education requires the following courses:

DAN 115	Folk, Square and Social Dance	1 sh
PED 102	Gymnastics	1 sh
PED 125	Skills and Activities for Teaching	3 sh
PED 211	History/Foundations of Sport/Physical Education	4 sh
PED 305	Legal Aspects of HPEL	2 sh
PED 310	Motor Learning Theory for Teaching and Coaching	4 sh
PED 321	Kinesiology	4 sh
PED 341	Theory of Coaching	2 sh
PED 360	Elementary Physical Education (K-6)	4 sh
PED 410	Organization and Administration	4 sh
PED 411	Measurement and Evaluation	4 sh

PED 423	Physical Education for the Exceptional Child	2 sh
HED 220	First Aid	1 sh
SPM 422	Physiology of Exercise	4 sh
BIO 161	Human Anatomy	4 sh
BIO 162	Human Physiology	4 sh
TOTAL		48 sh

Students desiring teacher certification should also take the professional studies requirements listed for Special Subjects areas (K-12) in the Department of Education. (EDU 450 not required).

Health Education endorsement for persons with PED certification requires the following courses:

EDU 427	Materials and Methods of Teaching Health and Safety	4 sh
Sixteen hours chosen from the following courses:		16 sh
HED 220	First Aid	
HED 321	Health Services and Consumerism	
HED 324	Nutrition	
HED 325	Substance Abuse and Human Behavior	
HED 326	Human Sexuality	
HED 421	Health of the Body Systems	
TOTAL		20 sh

A minor in Physical Education requires the following courses:

Four courses chosen from one-hour skills classes		4 sh
PED 310	Motor Learning Theory for Teaching and Coaching	4 sh
PED 360	Elementary Physical Education (K-6)	4 sh
EDU 423	Materials and Methods of Teaching Physical Education	4 sh
One course from		2 sh
PED 342	Methods of Coaching Football	
PED 343	Methods of Coaching Basketball	
PED 344	Methods of Coaching Track and Field or Baseball	
PED 345	Methods of Coaching Soccer or Volleyball	
TOTAL		18 sh

PED 100. TENNIS 1 sh
Students learn rules, skill and strategy of tennis. Offered fall and spring.

PED 101. RACQUETBALL 1 sh
Students learn rules, skill and strategy of racquetball. Offered fall and spring.

PED 102. GYMNASTICS 1 sh
Students learn a variety of floor and apparatus gymnastics skills. Offered alternating years.

PED 103. RECREATIONAL SPORTS 1 sh
Students learn rules, skill and strategy of

a variety of recreational sports, including archery, badminton and paddle tennis. Offered alternating years.

PED 105. GOLF 1 sh
(Beginning & Intermediate)

Special fee: \$30. Students learn rules, skill and strategy of golf. Offered fall and spring.

PED 106. BEGINNING SWIMMING AND EMERGENCY WATER SAFETY 1 sh

An introduction to basic swimming techniques and general water safety instruction, including how to respond effectively in a water emergency. The goal is to create an awareness of causes and prevention of water accidents. (Beginning Swimming and Emergency Water Safety certificate given.) Offered fall.

PED 107. LIFEGUARD TRAINING 2 sh

Students gain knowledge and skills for aquatic safety and non-surf life guarding, first aid, professional rescuer CPR and head lifeguarding. Students will receive Red Cross certification upon successful completion. Prerequisites: strong swimming skills. Offered winter, spring or summer. Special fee: \$16.00.

PED 108. BASKETBALL 1 sh

Students learn rules, skill and strategy of basketball. Offered alternating years.

PED 109. CONDITIONING/WEIGHT TRAINING 1 sh

Progressive development of physiological fitness designed to meet the needs of the individual student, including weight and cardiorespiratory training. Offered fall and spring.

PED 110. SOFTBALL 1 sh

Students learn rules, skill and strategy of softball. Offered alternating years.

PED 111. AEROBIC CONDITIONING 1 sh

Students have the opportunity to improve their physical fitness level through aerobic activities using correct techniques. Offered fall and spring.

PED 112. SOCCER 1 sh
Students learn rules, skill and strategy of soccer. Offered alternating years.

PED 113. VOLLEYBALL 1 sh
Students learn rules, skill and strategy of volleyball. Offered alternating years.

PED 116. OUTWARD BOUND EXPERIENCE 1-3 sh

This is a course in wilderness survival, including physical survival skills, fitness, cognitive and emotional skills and study of the natural world. Offered as personnel is available.

PED 117. EQUESTRIAN TRAINING I, BEGINNERS 1 sh

Grooming, anatomy of horse, veterinary care, mounting, dismounting, emergency dismounting, turning left and right - when mounted on horse, proper sitting, positioning saddle, learning to use correct aids (legs, hands, stats, voice command), Farrier care. Personal transportation, work boots, jeans and riding helmet required. Special fee: \$300.00

PED 118. EQUESTRIAN TRAINING II, NOVICE RIDER 1 sh

Two-point position, Cavaletti work/pre-training level 1, crossrails, consistency, equitation. Prerequisite: PED 117 or previous riding experience and permission of instructor. Personal transportation, work boots, jeans and riding helmet required. Special fee: \$300.00

PED 125. SKILLS AND ACTIVITIES FOR TEACHING 3 sh

Students learn skills and techniques for selected activities taught in public school physical education. Learning experiences include analyzation, organization and evaluation methods. Activities will be chosen from: archery, badminton, bowling, golf, racquetball, weight training, volleyball, soccer, tennis and other team sports. As public school needs change, the curriculum for this course may be altered.

PED 208. WATER SAFETY INSTRUCTORS

3 sh

Detailed study of methods and materials used to teach Red Cross swimming and aquatics safety courses. Successful completion qualifies WSIs to teach infant and preschool aquatics, progressive swimming courses, basic water safety and emergency water safety. Prerequisites: 17 years old, current certification for Emergency Water Safety or Lifeguard Training. Offered spring.

PED 209. SKIN AND BASIC S.C.U.B.A. DIVING

2 sh

Students learn the art of skin and scuba diving, including the physics, physiology and mechanics of diving; safe diving practices; marine life and environment; dive planning and various aspects of sport diving. Prerequisites: 15 years old, pass a swimming test, medical exam and payment of special fees before scuba work begins. Special fee: \$175.00.

PED 211. HISTORY/FOUNDATIONS OF SPORT/PHYSICAL EDUCATION

4 sh

An introduction to the philosophical, psychological and sociological foundations and the history of physical education, including current issues and trends and the economic impact of sport and fitness on society. Offered spring.

PED 217. EQUESTRIAN TRAINING III, INTERMEDIATE RIDER

1 sh

Dressage (training level 2 and 3), equestrian jumping, hunter style, medal maclay/senior advancement. Prerequisite: PED 118 or four years riding experience and permission of instructor. Personal transportation, work boots, jeans and riding helmet required. Special fee: \$300.00

PED 218. EQUESTRIAN TRAINING IV, ADVANCED RIDER

1 sh

Training levels 4 and 5, cross country, pre-preliminary jumpers, working hunter advancement. Prerequisite: PED 217. Personal transportation, work boots,

jeans and riding helmet required. Special fee: \$300.00

PED 265. OFFICIATING

2 sh

Provides a thorough study of rules and mechanics of sport officiating. Practical experience in officiating may be provided at the community, little league, middle school and junior varsity levels. Offered fall and spring.

PED 305. LEGAL ASPECTS IN HPEL

2 sh

A study of the legal environment of leisure, sport, health and school organizations, emphasizing applications of tort, criminal, employment, contract, property and constitutional law. Students learn the principles of risk management and relevant applications and discuss current legislation affecting the field. Offered fall and spring.

PED 309. ADVANCED OPEN WATER SCUBA

2 sh

The advanced Open Water Scuba course at Elon College is offered through certified and insured adjunct P.A.D.I. instructors. This course is designed to expand on the knowledge base and skills acquired in PED 209, Skin and Basic Scuba Diving. Students will complete a detailed study of all the topics covered in Basic Scuba. In addition, they will develop a knowledge base and skills for deep diving, night diving, underwater navigation, search and recovery and rescue diving. The student will receive P.A.D.I. Certifications in Advanced Open Water and Rescue Diving upon successful completion of the course. Equipment Requirements: Mask, fins and snorkel. Prerequisites: P.A.D.I. Open Water Certification or equivalent. Special fee: \$275.00

PED 310. MOTOR LEARNING THEORY FOR TEACHING AND COACHING

4 sh

This course provides physical education teachers and coaches knowledge and understanding of how learning and optimum performance of motor skills

occur. Study of the characteristics and interactions between student/athlete, teacher/coach and the learning environment coupled with synthesis of recent research, experimentation and analysis enables participants to teach motor skills efficiently. Offered spring.

PED 321. KINESIOLOGY 4 sh

Students study the musculo-skeletal system and biomechanics for physical fitness activities, exercise/sports injuries and sports skills. Prerequisite: BIO 161. Offered fall and spring.

PED 341. THEORY OF COACHING 2 sh

Provides a thorough study of the role of coaches in the school and community, including coaching philosophy, ethics, relationships, motivation and responsibilities. Offered fall.

PED 342. METHODS OF COACHING FOOTBALL 2 sh

A study of appropriate terms, drills, methods and strategy for coaching football. Offered fall.

PED 343. METHODS OF COACHING BASKETBALL 2 sh

A study of appropriate terms, drills, methods and strategy for coaching basketball. Offered spring.

PED 344. METHODS OF COACHING TRACK AND FIELD OR BASEBALL 2 sh

A study of appropriate terms, drills, methods and strategy for coaching track and field or baseball.

PED 345. METHODS OF COACHING SOCCER OR VOLLEYBALL 2 sh

A study of appropriate terms, drills, methods and strategy for coaching soccer or volleyball.

PED 360. ELEMENTARY PHYSICAL EDUCATION (K-6) 4 sh

This class is designed to prepare students to teach physical education in

grades K-6. This preparation includes knowledge of movement education, motor skills, skill analysis and pedagogy. Clinical hours in public schools are required. Offered fall.

PED 410. ORGANIZATION AND ADMINISTRATION 4 sh

A study of the organizational and administrative techniques needed to design and implement programs in leisure, sport and physical education settings, including organizational structure and theories, leadership styles, decision-making, finance management, purchasing, public relations and tournament organization. Offered fall and spring.

PED 411. MEASUREMENT AND EVALUATION 4 sh

Students learn to organize and interpret data from tests with and without the use of software packages. Also includes the study and administration of youth and adult physical fitness tests, sports skill tests and an overview of psychosocial testing. Offered spring.

PED 423. PHYSICAL EDUCATION FOR THE EXCEPTIONAL CHILD 2 sh

This course provides physical education teachers knowledge and understanding of current legislation, techniques and methods of teaching physical activities to individuals with handicapping conditions through both lecture and practical experience.

PED 491. INDEPENDENT STUDY 1-4 sh

Study in sports medicine at Elon College combines the scientific and the practical aspects of the prevention, treatment and rehabilitation of injuries and includes the study of the effects of physical activity on the human body.

SPORTS MEDICINE

The sports medicine major prepares graduates for careers in athletic training, cardiac rehabilitation, exercise physiology, corporate wellness and other related careers. After taking a series of core courses, the student chooses a concentration in either athletic training or exercise/sports science. Admission into the AT program follows NATA guidelines. The selection process is outlined in the Athletic Training Program Advisement Packet.

The athletic training concentration requires 1,500 hours of clinical experiences in order for the graduate to take the National Athletic Training Association certification exam.

The exercise/sports science concentration includes a practicum and internship experience. Students who wish to pursue graduate degrees may go on to physical therapy, exercise physiology and other areas of study.

A major in Sports Medicine requires the following core courses:

SPM 432	Research Methods	4 sh
SPM 422	Physiology of Exercise	4 sh
PED 305	Legal Aspects in HPEL	2 sh
PED 321	Kinesiology	4 sh
HED 324	Nutrition	4 sh
HED 421	Health of the Body Systems	4 sh
HED 220	First Aid	1 sh
BIO 161*	Human Anatomy	4 sh
BIO 162*	Human Physiology	4 sh
CHM 111*	General Chemistry I	3 sh
CHM 113*	General Chemistry I Lab	1 sh
Completion of Exercise/Sports Science track or Athletic Training track		12-26 sh

TOTAL **47-61 sh**

*(Should be completed by freshman or sophomore year.)

Exercise/Sports Science track requires the following courses:

SPM 281	Practicum in Sports Medicine/ Exercise/Sports Science	2 sh
SPM 324	Exercise Motivation	2 sh
SPM 424	Exercise Programming	2 sh
SPM 482	Internship in Exercise/Sport Science	4 sh
TOTAL		10 sh

Athletic Training track requires the following courses:

SPM 112	Athletic Training I	4 sh
SPM 212	Athletic Training II	4 sh
SPM 329	Assessment of Athletic Injuries	4 sh
SPM 330	Therapeutic Exercise and Rehabilitation	4 sh
SPM 430	Therapeutic Modalities	2 sh

SPM 481	Internship in Sports Medicine	4 sh
PED 410	Organization and Administration	4 sh
TOTAL		26 sh

Completion of 1,500 clinical hours

A minor in the Athletic Training track requires the following courses:

SPM 112	Athletic Training I	4 sh
SPM 212	Athletic Training II	4 sh
SPM 329	Assessment of Athletic Injuries	4 sh
PED 321	Kinesiology	4 sh or
SPM 422	Physiology of Exercise	4 sh
BIO 161	Human Anatomy (prerequisite for PED 321)	4 sh
BIO 162	Human Physiology (prerequisite for SPM 422)	4 sh
TOTAL		24 sh

A minor in the Exercise/Sport Science track requires the following courses:

SPM 422	Physiology of Exercise	4 sh
HED 324	Nutrition	4 sh
PED 321	Kinesiology	4 sh
BIO 161	Human Anatomy	4 sh
BIO 162	Human Physiology	4 sh
TOTAL		20 sh

SPM 112. ATHLETIC TRAINING I 4 sh

This course introduces the student to the profession and principles of athletic training, including topics such as sports medicine organizations, emergency care of specific injuries, tissue repair and healing, transportation and transfer of catastrophic injuries, methods of bandaging and dressing wounds and adhesive taping. Offered fall and spring.

SPM 281. PRACTICUM IN SPORTS MEDICINE/EXERCISE/SPORTS SCIENCE 2 sh

The practicum introduces the student to professions in sports medicine and health-related fields. Students must choose three different agencies to work in, with about 27 hours at each agency. Students must turn in typed reports including a brief discussion of the experience, reflections and a critique of the experience/agency. Students may also assist with patient/client care and/or training and shadow their supervisor.

Students must make arrangements with their professor the semester before taking the practicum. Prerequisite: For majors only. Offered fall, winter, spring and summer.

SPM 212. ATHLETIC TRAINING II 4 sh

Students will gain practical knowledge and hands-on experience of advanced skills and techniques of athletic training. Topics include, but are not limited to: protective sports devices and equipment; emergency procedures; therapeutic modalities; exercise rehabilitation; drugs and sports; skin disorders; specific sports conditions and injuries; and organizational and administrative considerations. Prerequisite: SPM 112, BIO 161, BIO 162. Offered fall and spring.

SPM 324. EXERCISE MOTIVATION 2 sh

Students examine the underlying motivations for why people do and do not exercise and methods to change negative behaviors to positive ones.

Topics include Kenyons theory, psychological effects of exercise, exercise and personality, exercise and self-concept and anorexia. Offered spring.

SPM 329. ASSESSMENT OF ATHLETIC INJURIES 4 sh

This course familiarizes students with the principles of assessing sport injuries, including injury history, palpation, range of motion tests, muscle function tests, joint stability and specific anatomical features. Prerequisite: SPM 112. Offered fall.

SPM 330. THERAPEUTIC EXERCISE AND REHABILITATION 4 sh

Students study the process and components of therapeutic rehabilitation. Emphasis is placed on deconditioning and reconditioning following injury as well as the contribution of various forms of exercise and therapeutic techniques on recovery. Prerequisites: BIO 161, 162, SPM 212, Admission to the Athletic Training Track.

SPM 422. PHYSIOLOGY OF EXERCISE 4 sh

Students examine the immediate and long-term effects of exercise on the body, including the integration of various bodily systems as a result of exercise and the role of nutrition and exercise in weight management. Laboratory activities include aerobic capacity testing, blood lipid and metabolic profiles, determination of body composition and adult fitness testing. This course requires a three-hour lab. Prerequisite: BIO 162. Offered fall and spring.

SPM 424. EXERCISE PROGRAMMING 2 sh

Students gain applied knowledge to supervise and direct exercise programs for both healthy and special populations. Topics include basic terminology, risk identification, types of fitness tests, indications and contraindications to exercise testing, program administration and personnel. Prerequisite: SPM 422. Offered spring.

SPM 430. THERAPEUTIC MODALITIES 2 sh

A study in the theoretical principles governing the application of therapeutic thermal, electrical, and mechanical modalities in a rehabilitation program is offered. The course mixes classroom lecture and hands-on experience to facilitate the understanding of modality use. Prerequisites: SPM 112, 212, 330, BIO 161, 162, Admission to the Athletic Training Track.

SPM 432. RESEARCH METHODS 4 sh

Students become familiar with basic research terminology and concepts, including statistics, developing a research problem, developing the research proposal, using computer software and measurement concepts. A research paper is required. Prerequisites: Senior standing; LSM 212, for LSM majors; SPM 422, for Exercise/Sport Science majors and SPM 329 for Athletic Training majors. Offered fall and spring.

SPM 481. INTERNSHIP IN SPORTS MEDICINE (ATHLETIC TRAINING) 4 sh

In this course, upper level majors have opportunities to apply classroom knowledge and skills to real world problems under the supervision of a faculty member and a certified athletic trainer. Settings may include a sports medicine clinic, professional sports team, college or university training room, corporate setting, etc. Students must keep a daily journal of their experiences, which are discussed in conferences with the faculty supervisor. The student must also complete a project benefitting the internship facility, but which would not have been possible without the student. Student evaluations are based on these assignments. Students should make arrangements with their professors the semester prior to taking the internship. Prerequisite: SPM 329, 330, junior/senior majors only, permission of department. Offered fall, spring and summer.

**SPM 482. INTERNSHIP IN SPORTS
MEDICINE (EXERCISE/
SPORT SCIENCE)**

4 sh

Upper-class exercise/sports science majors select a sports medicine or health-related agency for their internship, a capstone experience. Students serve 160 hours at the agency. Students turn in biweekly reports including a brief discussion of the experience, reflections and a critique of the experience/agency. Students may engage in problem solving

assignments and perform research on some particular topic. Students may also assist with patient/client care and/or training and shadow their supervisor. A research paper is due near the end of the experience. Students should make arrangements with their professors the semester prior to taking the internship. Prerequisite: SPM 281. Junior/Senior status only. Offered fall, spring and summer.

162

HISTORY

Chair, Department of History: Professor Midgette

Professors: Crowe, C. Troxler, G. Troxler

Associate Professors: Bissett, Digre

Assistant Professors: Brown, Ellis, Festle

The study of history centers on exploration of various economic, social, political, military and religious forces that have transformed the face of the world. It combines analytical thinking and writing with a detailed grasp of the many influences that have brought about historical change.

History is a discipline that explores the dynamics of change from humanistic and social scientific perspectives. Because of the breadth and depth of historical investigation, students who choose to major or minor in history at Elon College find themselves well prepared for careers that require interaction with people and the ability to write and think analytically.

A major in History requires the following courses:

HST 111	Europe and the Mediterranean World to 1660	4 sh
HST 112	Europe and the Mediterranean World since 1660	4 sh
Choose one course from		4 sh
HST 121	United States History through 1865 or	
HST 122	United States History since 1865 or	
HST 123	United States and North Carolina since 1865	
Eight hours History electives		8 sh
Twenty hours History electives at the 300-400 level		20 sh
One History seminar course including completion of a Senior Thesis		4 sh
TOTAL		44 sh

It is strongly recommended that History majors, in consultation with their advisor, select a topical or regional concentration of 12 semester hours at the 300 level and above. Concentration courses will be chosen from among the required 28 elective hours. With the approval of the department chair, four hours from outside the history department may be applied toward the concentration and the elective

history hour requirement. The history department strongly recommends that history majors considering graduate school take a foreign language.

History majors receiving teacher certification must complete the following courses:

HST 111	Europe and the Mediterranean World to 1660	4 sh
HST 112	Europe and the Mediterranean World since 1660	4 sh
HST 121	United States History through 1865	4 sh
HST 122	United States History since 1865	4 sh
HST 361	North Carolina in the Nation	4 sh
One History seminar course		4 sh
Sixteen hours HST electives at the 300-400 level chosen from each of the following areas		16 sh
1) United States		
2) Europe		
3) Developing World (Africa, Asia)		
4) Minority History (African Americans and Women)		
GEO 131	The World's Regions	4 sh
POL 111	American Government	4 sh
Set of Professional education courses		35 sh
TOTAL		83 sh

A minor in History requires the following:

Four semester hours chosen from		4 sh
HST 111	Europe and the Mediterranean World to 1660	
HST 112	Europe and the Mediterranean World since 1660	
HST 221	The World in the Twentieth Century	
Four semester hours chosen from		4 sh
HST 121	United States History through 1865	
HST 122	United States History since 1865	
Twelve semester hours of History electives at the 300-400 level		12 sh
TOTAL		20 sh

HST 111. EUROPE AND THE MEDITERRANEAN WORLD TO 1660 4 sh

This survey of major developments in the Mediterranean world begins with ancient Mesopotamian and Egyptian civilizations. Students also explore the evolution of the great formative cultures of the Western world (Greece and Rome) and the Middle East and look at their interaction during the Middle Ages, the Renaissance, the Reformation and the beginnings of early modern Europe. Offered fall.

HST 112. EUROPE AND THE MEDITERRANEAN WORLD SINCE 1660 4 sh

In a survey of major developments in the Mediterranean world from 1660 to the present, study covers the rise of the major European powers during the period and discusses their interaction with one another and the Middle East and North Africa, particularly in the 19th and 20th centuries. Offered fall and spring.

HST 121. UNITED STATES HISTORY THROUGH 1865

4 sh

This survey of early U.S. history includes the major political, social, economic and intellectual developments in the U.S. from the first explorations of the continent through 1865 and considers the implications of these events and developments on the American experience after 1865. Offered fall and spring.

HST 122. UNITED STATES HISTORY SINCE 1865

4 sh

Study of U.S. history continues with the major political, social, economic and intellectual developments in the U.S. from the Civil War to the present and examines how events and developments which occurred prior to 1865 influenced the nation's evolution after the Civil War. Offered fall and spring. No credit for students with prior credit for HST 123.

HST 123. THE UNITED STATES AND NORTH CAROLINA SINCE 1865

4 sh

Study of U.S. history with a focus on N.C. as part of national development; examines major political, social, economic and intellectual trends from the Civil War to the present; includes an understanding of how events and developments prior to 1865 influenced the nation and the state after 1865. Offered fall and spring. No credit for students with prior credit for HST 122.

HST 221. THE WORLD IN THE 20TH CENTURY

4 sh

This survey of contemporary history examines critical events, ideologies and movements that have shaped our world. Students gain an understanding of the historical context of current global issues by examining developments in Africa, Asia, Europe, Latin America and the Middle East. Offered spring.

HST 251. HISTORY STUDIES ABROAD

4 sh

A specialized study for those participating in abroad programs. Offered winter.

AFRICA**HST 313. MODERN AFRICA**

4 sh

This survey course explores developments in Africa during the past century (especially regions south of the Sahara) and examines African responses to European imperialism, African independence and the problems faced by the new African states. Offered fall of even-numbered years.

HST 314. A HISTORY OF SOUTHERN AFRICA

4 sh

This course examines the forces that have shaped the history of South Africa and its neighbors in the 19th and 20th centuries, focusing on the effects of apartheid on modern South African society. Offered spring of odd-numbered years.

RUSSIA**HST 316. THE HISTORY OF IMPERIAL RUSSIA TO 1917**

4 sh

This course explores the major developments in the history of the Russian state from its origin in the 9th century to the collapse of the tsarist system in 1917. Topics include Kievan Rus and the Mongols, the rise of Moscow, the westernization efforts of Peter and Catherine the Great and the gradual transformation of Russia from its wars with Napoleon through the overthrow of the Romanov Dynasty. Offered fall of even-numbered years.

HST 317. RUSSIA AND THE SOVIET UNION SINCE 1917

4 sh

This study of modern Russian history explores the Bolshevik communist system, considers the transformation of the Soviet state under Lenin and Stalin and studies Russia's role in World War II and its impact on the USSR afterwards. Topics include the emergence of the Soviet Union as a world power under Stalin, Khrushchev, and Brezhnev; Soviet domestic events under all three men; and the impact of Mikhail Gorbachev, Boris Yeltsin, and other recent Russian leaders. Offered spring of odd-numbered years.

ASIA**HST 318. CHINA SINCE 1644** 4 sh

Major domestic and international developments in Chinese history from 1644 until the present are the focus of this course. Topics of study explore the Qing Empire and the impact of the West on its Manchu rulers, examine the Qing collapse in 1912, and consider China under the Nationalists until 1949 and under Mao Ze-dong's communist system afterward. The course also covers recent developments, particularly the reform era of Deng Xiao-ping. Offered spring of even-numbered years.

HST 319. HISTORY OF JAPAN, 1600-1945 4 sh

This course explores the evolution of Japanese history from the Tokugawa Shogunate through the end of World War II. Topics of discussion include traditional Japanese values, the Meiji Restoration of 1868, the experiment with constitutional reform and parliamentary democracy through 1931 and Japan's emergence as a competitive Asian power. Discussions place these developments into the context of Japan's role in World War II. Offered fall of odd-numbered years.

BRITISH ISLES**HST 323. THE MAKING OF THE ENGLISH NATION TO C. 1660** 4 sh

A study of English customs, church, common law system, monarchy and national identity and the migration of these features to America. The course spans the development of an English people (Celtic, Roman, Anglo-Saxon, Viking and Norman French) and the ruptures which produced civil war and an English Republic — episodes formative of American political values. Offered fall of odd-numbered years.

HST 324. ENGLAND WITHIN THE BRITISH EMPIRE: 17TH CENTURY TO THE PRESENT 4 sh

This course examines the social, religious and constitutional conflicts of the 1640s

and the 1680s and their impact on Colonial America. Study also traces later changes in the English society, economy and form of government, the United Kingdom's changing role in Europe and the world, and changes in social roles and attitudes, particularly regarding class, gender and race. Offered spring of even-numbered years.

HST 326. HISTORY OF IRELAND 2 sh

Study includes Ireland's political and cultural history as well as its influence on the U.S. through emigration. Celtic cultural continuity and adaptation from the early Middle Ages to the present are explored through traditional folkways, music, tales, art and literature in historical contexts. Offered fall of even-numbered years.

HST 327. HISTORY OF SCOTLAND 2 sh

Focus is on Scotland's evolution as a nation sharing an island with Wales and England. We explore the role of Celtic and Viking cultural continuity in shaping a Scottish consciousness centered on a Highlands ideal and perpetuated by emigration. Students use oral history, folkways, and musical and balladry traditions in historical contexts. Offered fall of even-numbered years.

EUROPE**HST 335. 19TH CENTURY EUROPE, 1789-1914** 4 sh

Study includes the major political, social, and international developments that affected Europe from the outbreak of the French Revolution through the beginning of World War I. Discussion explores events that resulted in the creation of Italy and Germany, and the impact of revolution on the major countries in Europe. Topics also include the Industrial Revolution, capitalism and European expansion in Africa and Asia. Offered fall of even-numbered years.

HST 336. EUROPE, 1914-1945 4 sh

This course provides a study of European history focusing on the two World

Wars, the search for stability in the inter-war years and the rise of totalitarianism. Offered fall of odd-numbered years.

HST 337. EUROPE, 1945 TO THE PRESENT

4 sh

Discussions in this course cover the Cold War, the end of colonial rule, the rise of the European Community, social and intellectual trends, the collapse of communism and the reawakening of communism in Eastern Europe. Offered spring of even-numbered years.

HST 339. A HISTORY OF THE HOLOCAUST

4 sh

History of the Holocaust explores the roots of this event, beginning with historical anti-Semitism and the impact of this tradition on Adolph Hitler and the Nazis. Topics also include Hitler's racial policies between 1933-1938, their spread throughout Nazi Europe between 1939-1941, the evolution of the Final Solution from 1941-45, and post-World War II Holocaust developments and questions. Offered winter.

WESTERN HEMISPHERE

HST 351. HISTORY OF MEXICO

2 sh

An introduction to the history of Mexico and to its contemporary cultural and political life. The role of native peoples is emphasized in the early colonial period and in recent developments. The course also explores Mexico's relationship with the U.S. Offered spring of odd-numbered years.

HST 352. HISTORY OF CANADA

2 sh

An introduction to the history of Canada and to its contemporary cultural and political life. Focus is on the development of a Canadian national identity and on present day expressions of that identity within Canada's multicultural context. Offered winter or summer.

HST 356. EARLY NATIONAL PERIOD, (1787-1840): FORCES THAT SHAPED THE NATION

4 sh

A study of the thought that produced the

American Constitution and the implementation of that national government during the administration of its first seven presidents. Topics examine political, social and economic forces that affected national decisions and development. Offered fall of odd-numbered years.

HST 357. THE UNITED STATES FROM 1877 TO 1918: INDUSTRIALIZATION AND ITS EFFECTS

4 sh

This course covers important events from the end of Reconstruction to American involvement in World War I and places them into the context of the rise of industrial capitalism as the nation's economic system.

HST 358. THE UNITED STATES FROM 1919 TO 1945: THE DEMANDS OF POWER

4 sh

Discussions in this course examine a time when the nation's status as the world's military and economic power demanded global involvement and the effects of the nation's choices. Eventually, despite strong support for isolationism, the nation became involved in World War II. Offered spring of odd-numbered years.

HST 359. THE UNITED STATES SINCE 1945: RECENT AMERICAN HISTORY

4 sh

Discussions of recent American history include important developments in the U.S., beginning with the American commitment to fight communism at home and abroad following World War II, and trace important political, economic and social changes.

HST 361. NORTH CAROLINA IN THE NATION

4 sh

Study traces N.C. history from the first European contact to the present in the wider context of U.S. history. Topics include: N.C. as a microcosm of the region and nation; Reconstruction and The New Deal; and N.C. political, economic, social and geographical features as related to national trends. Discussion also covers how family and

community history are preserved and how the study of local history can enhance public understanding of national events. Offered fall and spring.

HST 362. THE SOUTH IN AMERICAN HISTORY: REGIONAL SUBCULTURAL PERSISTENCE 4 sh

This course examines the South (especially post-Civil War) as a distinctive region of the U.S., including reasons for such distinctiveness and its impact on the nation's history. Offered spring of odd-numbered years.

HST 363. AFRICAN-AMERICAN HISTORY, 1850-PRESENT 4 sh

Beginning with the slave system in the mid-19th century, this course examines recurring issues and problems in African-American history through the post-civil rights era. Study focuses on three themes: the similarity and differences of African-American experiences; the extent to which they were oppressed yet also had choices; and their strategies to cope with their social and political situations. Offered fall of odd-numbered years.

HST 364. HISTORY OF WOMEN IN THE U.S. 4 sh

This course surveys the experiences of women in the U.S. from the colonial era through the 20th century, emphasizing their changing political and economic status and gender role expectations. Topics focus on the historical factors—politics, war, social movements, technology, ideology—that caused such changes, strategies women utilized to change or cope with their situations and differences among women. Offered spring of even-numbered years.

HST 365. SOCIAL MOVEMENTS IN POST-CIVIL WAR AMERICA 4 sh

This course covers organized efforts to change American society since Reconstruction, including social movements from Populism in the late 1800s to the Civil Rights Movement in the 1960s, and the responses to these movements.

HST 366. U.S. POPULAR CULTURE, 1890-PRESENT 4 sh

This study of popular culture of the U.S. in the modern era focuses on leisure activities since the development of a mass culture. Discussion analyzes sports, amusement parks, drinking, drugs, movies and music.

HST 367. AMERICAN MILITARY HISTORY 4 sh

Topics concentrate on the role of U.S. armed forces in the development of the nation and in the evolution of the U.S. as a major world power. Discussions explore the impact of U.S. military capability on foreign policy and the ways foreign policy affects U.S. armed forces. Topics also include causes of American military conflicts, the strategy and tactics of military campaigns and the impact of the resolution of these conflicts. Offered fall of odd-numbered years.

HST 460-469. SEMINAR: SPECIAL TOPICS 4 sh

A capstone experience for majors, this course offers students practical experience in researching, writing and presenting a senior thesis. Past topics have included American Civil War, England in the Age of Henry the Eighth, Russia, The Holocaust, Modern Africa, and American Social Movements. Prerequisites: junior/senior major or permission of instructor. Offered fall and spring.

HST 481. INTERNSHIP IN HISTORY 2-4 sh

Designed to provide students with practical experience in history-related professions, activities included in the internship enable students to explore careers in archives, record management, historic sites, museum administration, etc. Prerequisite: 18 semester hours of history.

HST 491. INDEPENDENT STUDY 2-4 sh

Open to junior/senior majors/minors or others with permission of instructor.

HUMAN SERVICES

Chair, Department of Human Services: Associate Professor Kiser

Professor: Granowsky

Associate Professor: Higgs

Assistant Professor: Bailey

The Human Services major prepares students to work as practitioners in a variety of professional service settings such as social services, mental health, family services, corrections, child care, youth programs, group homes and many others. The Human Services curriculum guides the student through gaining the knowledge, skills and experience necessary to work effectively with a variety of populations.

Students learn to critically examine a range of human and societal problems and the programs and services designed to address those problems. Students develop an understanding of the societal, cultural and personal variables which contribute to the development of human problems and to their solution.

The Human Services major draws upon knowledge in the social sciences, especially psychology and sociology, and emphasizes the application of this knowledge to the improvement of human life and society. In order to apply this knowledge effectively, students develop a variety of skills including those involved in oral and written communication, problem solving, developing a professional helping relationship, organization and administration.

A major in Human Services requires the following courses:

HUS 211	Principles and Methods in Human Services	4 sh
HUS 381	Practicum in Human Services	4 sh
HUS 411	Administration of Human Service Agencies	4 sh
HUS 412	Professional Communication	4 sh
HUS 461	Senior Seminar	4 sh
HUS 481	Internship in Human Services	8 sh
Choose one course from the following:		4 sh
HUS 321	Group Dynamics and Leadership	
HUS 331	Principles of Counseling	
HUS 341	Family Counseling	
Choose one course from the following:		4 sh
Four elective hours of Human Services		
MTH 114	Elementary Statistics	
SSC 285	Research Methods	
Eight semester hours from Psychology and/or Sociology		8 sh
Eight semester hours of 300-400 level Psychology and/or Sociology		8 sh
TOTAL		52 sh

Prior to taking Human Services 381 students must be approved by the Human Services Department. Applications for the Practicum are available in the office of the department chair and must be submitted no later than October 1. A minimum grade point average of 2.1 is required to be eligible for Practicum.

Most other major requirements must be completed prior to taking Human Service 481. Students who enroll in Human Services 481 may not take any courses other than

the prescribed block courses. Applications for taking the Internship must be submitted no later than March 1. A minimum grade point average of 2.2 is required to be eligible for Internship.

A concentration in Social Work requires the following courses:

HUS 321	Group Dynamics and Leadership	4 sh
HUS 331	Principles of Counseling	4 sh
HUS 341	Family Counseling	4 sh
HUS 381	Practicum in Human Services or HUS 481, Internship in Human Services, must be taken in a social work setting.	

A concentration in Gerontology requires the following courses:

HUS 324	Perspectives and Issues in Aging	4 sh
HUS 325	Leisure and Aging	4 sh
HUS 381	Practicum in Human Services or HUS 481, Internship in Human Services, must be taken in a facility or program for the elderly.	

A minor in Human Services requires the following courses:

HUS 211	Principles and Methods in Human Services	4 sh
HUS 381	Practicum in Human Services	4 sh

Choose one course from the following: 4 sh

PSY 111	General Psychology
SOC 111	Introductory Sociology

Choose one course from the following: 4 sh

HUS 321	Group Dynamics and Leadership
HUS 331	Principles of Counseling
HUS 341	Family Counseling

Four semester hours Human Services course 4 sh

TOTAL 20 sh

HUS 101. LEADERSHIP 2 sh

This course combines study and practical experience to increase knowledge and skills in leadership development and is appropriate for both emerging and established leaders. No credit toward Human Services major. Offered fall and spring.

HUS 102. PEER COUNSELING 2 sh

In this study/practical experience course students develop skills in interpersonal relations, gain an understanding of personal and community problems and learn to view the residence hall as a community. Required of all Resident Assistants. (No credit toward Human Services major) Offered fall and spring.

HUS 211. PRINCIPLES AND METHODS IN HUMAN SERVICES 4 sh

This course explores the history and values of the profession, the worker-client relationship and the helping process, emphasizing interviewing and counseling skills and the characteristics and skills of effective helpers. A minimum of 40 hours of field work in an approved human services setting is required. Offered fall and spring.

HUS 225. SPECIAL POPULATIONS IN HUMAN SERVICES 4 sh

This course explores specific populations of human services clients and the programs and services available to those populations. Encourages critical

reflection on issues, concerns and controversies related to the populations under study.

**HUS 321. GROUP DYNAMICS
AND LEADERSHIP**

4 sh

Students explore group dynamics, group structure, leadership and the group worker role and are encouraged to examine and refine their own group communication skills. Offered every third semester.

**HUS 324. PERSPECTIVES AND
ISSUES IN AGING**

4 sh

This introduction to gerontology explores the biological, sociological and psychological aspects of aging and presents cultural, economic and political issues related to aging such as ageism, retirement, living environments and the social security and health care movements. Offered spring.

HUS 325. LEISURE AND AGING

4 sh

In this overview of psychological, sociological and physiological aspects of aging in a leisure context, students discuss concepts such as the work ethic and retirement, quality of life and physical fitness and examine common characteristics of the older adult and leisure opportunities that might be provided for an aging population. Offered fall.

**HUS 331. PRINCIPLES OF
COUNSELING**

4 sh

This course focuses on the theories and methods used in counseling individuals. The course is designed for persons who will work in the helping professions and includes role playing, videotaping and working with case material. Prerequisites: HUS 211 or Psychology 111. Offered every third semester.

HUS 341. FAMILY COUNSELING

4 sh

This course focuses on family assessment and intervention using systems theory as the primary conceptual model and emphasizes the use of family

counseling concepts to understand family dynamics and relationships. Students make extensive use of case material and role play to apply theory to practice. Offered every third semester.

HUS 359. CRIMINAL JUSTICE

4 sh

The field of criminal justice is examined in terms of three interdependent subsystems: law enforcement, corrections and the courts. Both theoretical models and practical applications will be used to encourage a broad understanding of the criminal justice system as a whole.

**HUS 371-3. SPECIAL TOPICS IN
HUMAN SERVICES**

4 sh

Students examine special topics in human services, which might include such topics as substance abuse, criminal justice, developmental disabilities, mental health issues and services, etc.

**HUS 381. PRACTICUM IN
HUMAN SERVICES**

4 sh

Students gain field experience in a human services organization full-time for at least three weeks, observing and learning the roles, tasks, skills and methods of human services professionals in the assigned setting and becoming familiar with administrative processes in the organization. Conferences with the supervising faculty member and the agency supervisor, assigned readings and journal writing provide further learning opportunities. Prerequisites: HUS 211, junior/senior status as major/minor and approval of application for practicum. Offered winter.

**HUS 411. ADMINISTRATION OF HUMAN
SERVICES AGENCIES**

4 sh

This overview of principles and techniques of leadership and management in human service agencies exposes students to planning, organizing, staffing and financing a project or an agency and working with a board of directors and the community. (Senior Block Course) Prerequisites: HUS 211, 381. Offered spring.

HUS 412. PROFESSIONAL COMMUNICATION 4 sh

An in-depth study of interpersonal communication skills and writing skills essential to the human services worker, emphasizing the further development of written and oral communication skills. (Senior Block Course) Prerequisites: HUS 211, 381. Offered spring.

HUS 461. SENIOR SEMINAR 4 sh

In this capstone course, students analyze their personal and professional development during their college experience and are required to research, write and present a scholarly paper. Senior majors only. Offered fall.

HUS 481. INTERNSHIP IN HUMAN SERVICES 8 sh

Students participate in full-time field based experience in a human service agency for seven and a half to eight weeks, observing and practicing the roles, tasks and skills of human services professionals under the supervision of a faculty member and an agency supervisor. Conferences with both supervisors and assigned papers and readings enhance learning as the student makes the transition into full-time professional responsibility. Senior majors only. Prerequisite: HUS 381. Offered spring.

171

INDEPENDENT MAJOR

Coordinator: Professor Tiemann, Director of General Studies

Students with intellectual and professional interests which cannot be met by other major and minor programs may create an Independent Major. Independent Majors are interdisciplinary in nature and are suitable for highly motivated students willing to assume exceptional responsibility for their own education. Students must have a GPA of at least 3.0 and no more than 66 completed semester hours when applying. Advice from the Director of General Studies may be helpful in designing an Independent Major. Details concerning final approval for an independent major may be obtained in the Office of the Director of General Studies.

An Independent Major requires the following:

1. An "Application for Independent Major," available from the Director of General Studies, must be completed before the student has earned 66 semester hours. This "Application" also outlines the procedure to be followed for designing and declaring the Independent Major.
2. An interdisciplinary committee of three professors, including one designated as the principle advisor, must be assembled.
3. A curriculum must be designed, with help from the committee. That curriculum must include:
 - Completion of the General Studies Requirements
 - An Independent Major including:
 - a minimum of 48 semester hours
 - a minimum of 28 semester hours at the 300-400 level
 - a capstone seminar
 - a capstone interdisciplinary project
 - a plan for assessing the completed major

- The Independent Major courses must come from at least three departments, and no more than half may be from any one department. Upper-level courses taken to satisfy the requirements of an Independent Major will also satisfy the eight-hour Advanced studies requirement when the Independent Major includes at least twelve hours of upper-level courses in three departments and at least two of the four areas listed under Liberal Studies. Students completing an Independent Major which designates an advanced GST Seminar as the capstone seminar must take another GST Seminar to fulfill the General Studies requirements.
- No more than 4 semester hours of independent study may be included. This will usually be used for completion of the capstone interdisciplinary project.

INTERNATIONAL STUDIES

Coordinator: Associate Professor Digre

The International Studies major provides students with an interdisciplinary program through which they can gain a broad knowledge of international affairs as well as expertise on one of the world's regions. Study abroad experiences and foreign language study form integral parts of the program. Students, with the support of their advisers, have considerable freedom in designing their own program of study.

The major may form an attractive double major for students from a variety of disciplines, such as political science, history and foreign languages. It also might be profitable combined with a business minor. It should provide an educational background for those seeking international affairs careers in government, non-governmental organizations (development/humanitarian), travel and business.

Students are strongly encouraged to include a study abroad experience in their programs. Under specified provisions of the program, up to 16 credit hours of foreign study can be included.

A major in International Studies requires 44 semester hours.

These requirements are specified as follows:

Foundation Courses 8 sh

POL/INT 241 International Relations

HST/INT 221 World in the Twentieth Century

Foreign Language Study 8 sh

Study in one foreign language at any level. (Students should choose a language relevant to the regional concentration. See below.)

Global Studies 12 sh

Students must take courses from at least two of the following five areas:

Politics and Economics

BUS 430 International Business Management

ECO 312 Comparative Economic Systems

ECO 314 International Trade and Finance

POL 114 Model United Nations
 POL 261 Comparative Politics
 POL 342 U.S. Foreign Policy since 1939
 POL 343 International Law and Organizations

History and Geography

GEO 131 The World's Regions
 HST 112 Europe and the Mediterranean World Since 1660

Literature and Foreign Language

ENG 231 World Literature
 Foreign languages 310, 321, 322 relevant to student's regional concentration

Society and Culture

PSY 366 Psychology in Cultural Context
 REL 121 World Religions
 SOC 212 Cultural Anthropology

Study Abroad

Students who have study abroad experience that cannot be counted under Foreign Language Study or Regional concentration may count 4 semester hours under this category.

Regional Concentration 12 sh

At least three courses taken on one geographic region. Courses should be chosen from at least two disciplines. Study abroad courses, as approved by the program coordinator, may be included under the regional concentration.

Approved course lists for regional concentrations in Africa, Asian/Pacific, and Europe may be obtained from the program coordinator. In addition, special area concentrations, designed by student and adviser, may be approved by the program coordinator.

Senior Seminar 4 sh

INT 461 or a History, Political Science or General Studies seminar with an international focus as approved by program coordinator.

TOTAL 44 sh

A minor in International Studies requires the following:

POL/INT 241 International Relations 4 sh
 HST/INT 221 The World in the Twentieth Century 4 sh
 Twelve semester hours based on the program of study for the international studies major. 12 sh

Students should choose one of the following options:

- A Regional Concentration
- The Global Studies Field
- Foreign language study (8 sh) plus one elective selected from courses approved for the major

TOTAL 20 sh

Students are strongly encouraged to include a study abroad.

INT 221. THE WORLD IN THE TWENTIETH CENTURY 4 sh
(Same course as HST 221. See HST 221 for description.)

INT 241. INTERNATIONAL RELATIONS 4 sh
(Same course as POL 241. See POL 241 for description.)

INT 461. SENIOR SEMINAR 4 sh
The senior seminar is a capstone experience designed for majors. This course offers practical experience in researching, writing, and presenting a senior thesis which builds on previous work in global studies and the regional concentration.

JOURNALISM AND COMMUNICATIONS

Chair, Department of Journalism and Communications: Associate Professor G. Padgett

Associate Professors: Grady, Wolfe

Assistant Professors: Duvall, Fulkerson, Gibson, Hamm, R. Johnson, Lee, Michels, Nelson

Students who choose majors in Journalism/Communications prepare for exciting careers in newspapers, magazines, radio, television, cable, public relations, advertising, corporate relations and film. Separate majors are offered in Journalism (directed toward career opportunities in print related fields) and Communications (offering emphases in broadcast communications encompassing all electronic media, corporate communications and film communications).

Majors complete a range of courses offering study in the theory, history, law and ethics of communications, as well as practical hands-on experience in modern computer labs, a state-of-the-art television studio and well-equipped audio and video editing labs.

Students complement in-class work with involvement in various campus media from the award-winning campus newspaper The Pendulum and Pendulum Online, to WSOE radio station, to weekly cable television newscasts and talk shows through departmental programming and Elon College Television.

All majors are required to earn at least a "C" in JCM 218, "Writing and Information Gathering" before advancing to courses requiring JCM 218 as a prerequisite.

A major in Journalism requires the following courses:

JCM 215	Intro to Journalism and Communications	4 sh
JCM 218	Writing & Information Gathering	4 sh
JCM 225	Reporting & Newswriting	4 sh
JCM 325	Editing & Layout	4 sh
JCM 425	Advanced Reporting	4 sh
JCM 315	Media & Society	4 sh
JCM 360	Media History	4 sh
JCM 465	Media Law & Ethics	4 sh
JCM 495	Senior Seminar	4 sh

Twelve semester hours of JCM elective at the 200-400 level
(no more than 4 sh at the 200 level) 12 sh

TOTAL 48 sh

A major in Communications with Broadcast Emphasis requires the following courses:

JCM 211	Public & Presentational Speaking	4 sh or
JCM 245	Broadcast Performance	4 sh
JCM 215	Intro to Journalism and Communications	4 sh
JCM 218	Writing & Information Gathering	4 sh
JCM 240	Television Production	4 sh
JCM 335	Writing for Electronic Media	4 sh
JCM 315	Media & Society	4 sh
JCM 360	Media History	4 sh
JCM 465	Media Law and Ethics	4 sh
JCM 495	Senior Seminar	4 sh

Twelve semester hours of JCM elective at the 200-400 level
(no more than 4 sh at the 200 level) 12 sh

TOTAL 48 sh

A major in Communications with Corporate Emphasis requires the following courses:

JCM 211	Public & Presentational Speaking	4 sh
JCM 215	Intro to Journalism and Communications	4 sh
JCM 218	Writing & Information Gathering	4 sh
JCM 318	Organizational Communications	4 sh
JCM 333	Public Relations	4 sh
JCM 240	Television Production	4 sh
JCM 327	Corporate Publishing/Writing	4 sh or
JCM 352	Corporate Video	4 sh
JCM 465	Media Law & Ethics	4 sh
JCM 495	Senior Seminar	4 sh

Eight semester hours of JCM elective at the 200-400 level 8 sh

Eight semester hours of 200-400 level electives in JCM or
from the disciplines of the Love School of Business.

At least 4 semester hours must be in BUS, ECO or ACC 8 sh

TOTAL 52 sh

A major in Communications with Film Emphasis requires the following courses:

JCM 215	Intro to Journalism and Communications	4 sh
JCM 218	Writing & Information Gathering	4 sh
JCM 240	Television Production	4 sh
JCM 261	Development of the Cinema	4 sh
JCM 495	Senior Seminar	4 sh

Film History and Theory

Twelve semester hours selected from the following:

JCM 320	The Art of Film and Video Editing	4 sh
JCM 337	The Documentary	4 sh

JCM 346	African Film	4 sh
JCM 349	The South in Film	4 sh
JCM 361	Gender Issues in Cinema	4 sh
JCM 362	Film Criticism	4 sh
JCM 390	Film Censorship	4 sh
JCM 463	The Auteur Director	4-8 sh
JCM 491	Independent Study in Film	1-4 sh

Film Production

Eight semester hours selected from the following:

JCM 230	Audio Production	4 sh
JCM 260	Introduction to Film Production	4 sh
ENG 314	The Screenplay	4 sh or
JCM 344	Screenwriting	4 sh
JCM 355	Advanced Video Production	4 sh
JCM 384	Internship in Film Production	4 sh

Approved Transfer. A maximum of 8 hours of approved coursework in content areas not offered at Elon College. 2-8 sh

Electives

Select an additional 8 hours from any of the areas above, from other JCM courses and Independent Study. Additional transfer credits may not be applied in this category.

TOTAL	48 sh
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A minor in Journalism/Communications requires the following courses:

JCM 211	Public & Presentational Speaking	4 sh
JCM 215	Intro to Journalism & Communications	4 sh
JCM 218	Writing & Information Gathering	4 sh
Four semester hours of JCM elective at the 200-400 level		4 sh
Eight semester hours of JCM elective at the 300-400 level		8 sh

TOTAL	24 sh
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A minor in Film Studies requires the following:

Twenty semester hours selected from the following:

Course Requirements:

JCM 261	Development of Cinema	4 sh
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Choose an additional 16 hours from the following:

JCM/ENG 362	Film Criticism	4 sh
JCM 337	The Documentary	4 sh
JCM 384	Internship in Film Production	1-4 sh
JCM 463	The Auteur Director	4 sh
JCM 491	Independent Study in Film	1-4 sh
ENG/WGS 361	Gender Issues in Cinema	4 sh

TOTAL	20 sh
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Additional electives as approved by the film studies coordinator may be chosen from occasional offerings in other disciplines.

JCM 210. PUBLIC SPEAKING 2 sh

Study covers the fundamentals of public speaking, particularly principles and organization of oral and nonverbal communications with actual practice in delivery of ideas. Offered fall and spring.

JCM 211. PUBLIC AND PRESENTATIONAL SPEAKING 4 sh

This study of oral and nonverbal communication in public and corporate settings emphasizes audio/visual and other support materials. Students gain classroom practice in the organization and delivery of ideas, use of language and supporting evidence, reasoning and emotional appeals, diction and pronunciation. Offered fall and spring.

JCM 215. INTRODUCTION TO COMMUNICATIONS 4 sh

Surveys the history of newspapers, magazines, books, film, radio, television and cable in public and corporate communications. Study emphasizes the function and operation of contemporary mass media. Offered fall and spring.

JCM 218. WRITING AND INFORMATION GATHERING 4 sh

Helps students develop the ability to think and write critically as they research, analyze and write about significant issues. The course also introduces information gathering processes (including interviewing techniques and database search) and styles of media writing. Offered fall and spring.

JCM 225. REPORTING AND NEWSWRITING 4 sh

By studying the basic types of news articles for the mass media, students learn to gather information and report it in standard journalistic style. Focus is on writing leads, interviewing techniques and editing copy. Word processing ability necessary. Prerequisite: JCM 218. Offered fall and spring.

JCM 230. AUDIO PRODUCTION 4 sh

This course introduces audio as one element of mass communications. Course work familiarizes students with basic production techniques applicable in radio, television and film. Students also learn basic studio operation, producing, writing and performing, with a focus on experience through exercises and production assignments. Offered fall.

JCM 240. TELEVISION PRODUCTION 4 sh

This introduction to basic principles, techniques and technologies of television production emphasizes video while using audio to enhance the visual image. Students learn through field news and production assignments, editing and studio production. Offered fall and spring.

JCM 245. BROADCAST PERFORMANCE 4 sh

To help students become more effective communicators and performers in electronic media, this course emphasizes communication of ideas on radio and television, particularly vocal and visual presentation, voice and diction, pronunciation, appearance, gestures and movement. Prerequisite: JCM 240. Offered spring.

JCM 251. COMMUNICATIONS STUDIES ABROAD 4 sh

JCM 260. INTRODUCTION TO FILM PRODUCTION 4 sh

This course provides students with the basic concepts of film style cinematography and editing. Students will write, shoot and edit their own productions utilizing video camcorders and non-linear editing. Offered fall and spring.

JCM 261. DEVELOPMENT OF CINEMA 4 sh

To gain an appreciation of the historical development of film as an art form, students view significant films and study the contributions of important directors. Offered fall and spring.

JCM 310. INTERPERSONAL COMMUNICATION 2 sh

The fundamental assumption of interpersonal communication is that skills can be acquired, changed, developed and/or improved that will enhance effectiveness in creating and sustaining interpersonal relationships. Topics include self-concept, perception, listening and conversation skills, and conflict resolution.

JCM 312. SMALL GROUP COMMUNICATIONS 2 sh

This course provides an understanding of small group processes in secondary groups such as committees, task forces, quality circles, work groups, boards and teams. Through discussion, application and practice, students will develop skills likely to serve them in future work and community life.

JCM 315. MEDIA & SOCIETY 4 sh

This study of the role of mass communications media in society examines the structure, function and interaction of mass media, with consideration to media constraints and effects on society. Prerequisite: JCM 215. Offered fall and spring.

JCM 318. ORGANIZATIONAL COMMUNICATIONS 4 sh

As an introduction to process and patterns of communications within organizations, the course covers techniques of information dissemination and the application of various media and methods. Offered fall and spring.

JCM 320. THE ART OF FILM AND VIDEO EDITING 4 sh

This course is an in-depth analysis of film editing including historical perspective and study of the theory of editing. Prerequisite: JCM 240.

JCM 325. EDITING AND LAYOUT 4 sh

Students study and practice in design and makeup of the modern newspaper, including copy editing, headline writing, scaling and cropping of photographs,

caption writing, page layout, and use of art and graphics. Prerequisite: JCM 218. Offered spring.

JCM 326. FEATURE WRITING 4 sh

The study of basic types of feature articles for newspapers and magazines emphasizes applying techniques of fiction (narrative, characterization, dialogue, scenes) to nonfiction writing. Prerequisite: JCM 218.

JCM 327. CORPORATE PUBLISHING 4 sh

This introduction to print and other non-broadcast media used in corporate and institutional settings to communicate with internal and external publics includes basic design and layout using desktop publishing and presentational software and emphasizes writing for corporate purposes. Prerequisite: JCM 218. Offered fall and spring.

JCM 328. MAGAZINE EDITING AND PRODUCTION 4 sh

An examination of the magazine publishing industry from concept to marketing and promotion of the finished product. The course will examine industry trends and processes including the complete planning, editing, and production cycle. Students will use desktop publishing technology to propose, design and create a finished prototype of an all new magazine.

JCM 330. BROADCAST JOURNALISM 4 sh

In this critical approach to the gathering, reporting and production of radio and television news, students discuss and evaluate news, commentary and sports features. Each student creates and produces documentary and feature programs. Prerequisites: JCM 218 and JCM 240.

JCM 333. PRINCIPLES OF PUBLIC RELATIONS 4 sh

A combined survey of intermediate level courses covering basic public relations objectives and problems, this course emphasizes research, use of communication tools, and use of the media to

reach various publics. Prerequisite: JCM 218. Offered fall and spring.

JCM 335. WRITING FOR ELECTRONIC MEDIA 4 sh

This general course acquaints students with the style, forms and content approaches used in writing for radio, television and other audio/visual presentations. Prerequisite: JCM 218. Offered fall and spring.

JCM 337. THE DOCUMENTARY 4 sh

Students trace the origins of the documentary, subsequent developments and its current status in this survey course.

JCM 344. SCREENWRITING 4 sh

Students will learn the techniques of writing for the cinema. Various film formats such as drama, comedy and documentary will be explored. Students will be required to write several scripts of varied lengths.

JCM 345. ADVANCED AUDIO PRODUCTION 4 sh

The advanced study of audio production techniques (editing, music and sound effects, signal processing and multi-channel production) includes announcing, commercials, news and documentary production. Prerequisites: JCM 230.

JCM 346. AFRICAN FILM 4 sh

This course will examine films produced in Africa by Africans. The course will concentrate on the history of the continent and the problem of modernity vs. tradition as expressed in the films. Students will be asked to study the film "language" created by African Cinema.

JCM 349. THE SOUTH IN FILM 4 sh

This course investigates films about the American South produced during the twentieth century. Each film is studied from two viewpoints; the time of the film and the time of the filming. The time of the film refers to the historical setting of the production. The time of the filming places the film within the historical context of the time the film was produced.

JCM 352. CORPORATE VIDEO PRODUCTION 4 sh

As they learn to research, write, rewrite and produce video productions for internal and external corporate presentations, students use studio and remote production equipment to produce projects. Course work emphasizes achieving an organizations goals through the video medium by informing, persuading and entertaining. Prerequisites: JCM 218 and JCM 240. Offered spring.

JCM 355. ADVANCED VIDEO PRODUCTION 4 sh

As an advanced study of video production techniques for use in television broadcasting and other video media, this course concentrates on electronic field production and emphasizes the aesthetics of teleproduction. Students research, write and produce public service announcements, commercials and newscasts. Prerequisite: JCM 240. Offered fall.

JCM 360. MEDIA HISTORY 4 sh

By examining major trends, important personalities, technological advancements and the historical impact of mass communications, students gain an understanding of how various media are interrelated and the interaction between media and society. Offered fall and spring.

JCM 361. GENDER ISSUES IN CINEMA 4 sh
(Same course as ENG 361. See ENG 361 for description.)

JCM 362. FILM CRITICISM 4 sh
(Same course as ENG 362. See ENG 362 for description.)

JCM 363. KENNEDY ASSASSINATION & FILM 4 sh

This course will explore the details of the assassination of President John F. Kennedy and the way it has been presented in film. Special emphasis will be placed on the study of the assassination as a film genre and any residual effects on the world of motion pictures.

JCM 365. INTRODUCTION TO INTERACTIVE MEDIA 4 sh

The success of the CD-ROM has ushered in the age of interactive communication. This course will examine the history and structure of interactive media as well as explore its potential use in education and communication. Students will construct their own interactive presentations using HyperCard for the Macintosh.

JCM 371. SEMINAR: SPECIAL TOPICS 1-4 sh

Recent studies in seminars have included magazine journalism, propaganda and mass media, rock music and mass media.

JCM 380. MEDIA WORKSHOP 1-4 sh

In an on-campus practicum in radio or television production or broadcasting, newspaper publishing or public relations, students must arrange a learning contract with the instructor at the beginning of each term. Prerequisites: junior/senior status, permission of instructor.

JCM 381. JOURNALISM INTERNSHIP 1-4 sh

An off-campus, advanced level work experience in journalism is offered on an individual basis when suitable opportunities can be arranged. Prerequisites: JCM 225, 325, junior/senior status, permission of instructor. Offered fall and spring.

JCM 382. BROADCAST INTERNSHIP 1-4 sh

An off-campus, advanced level work experience in broadcasting is offered on an individual basis when suitable opportunities can be arranged. Prerequisites: JCM 240, junior/senior status, permission of instructor. Offered fall and spring.

JCM 383. CORPORATE INTERNSHIP 1-4 sh

An off-campus, advanced level work experience in corporate communications is offered on an individual basis when suitable opportunities can be arranged. Prerequisites: JCM 240 or 325, junior/senior status, permission of instructor. Offered fall and spring.

JCM 384. FILM PRODUCTION INTERNSHIP 1-4 sh

An off-campus, advanced level work experience in film production is offered on an individual basis when suitable opportunities can be arranged. Prerequisites: junior/senior status, permission of instructor. Offered fall, winter, spring and summer.

JCM 390. FILM CENSORSHIP 4 sh

The focus of this course is on the evolution of film censorship in the United States. Some films that have been suppressed or censored will be viewed and discussed in class. Students will study this topic within the framework of first amendment rights guaranteed by the U.S. Constitution.

JCM 425. ADVANCED REPORTING 4 sh

This study of sophisticated reporting techniques includes investigative reporting techniques and the editor's role in covering community news. The campus newspaper, *The Pendulum*, serves as a lab. Prerequisites: JCM 218 and JCM 225. Offered fall.

JCM 430. TV NEWS REPORTING 4 sh

In an advanced study of electronic news gathering, students analyze current examples of news and public affairs programming as well as research, write, edit and produce television news packages to be assembled into television newscasts. Prerequisites: JCM 218, JCM 240 and JCM 330.

JCM 460. INTERNATIONAL COMMUNICATIONS 4 sh

Students examine the media systems of many countries, stressing the chief problem of communications across cultural, economic, sociological and political barriers.

JCM 462. POLITICS IN MASS MEDIA 4 sh

This course examines the effects of mass media on the American political system and traces the evolution of media impact from print journalism through radio and television.

JCM 463. THE AUTEUR DIRECTOR 4 sh

The auteur theory proposes that the greatest moves are dominated by the personal vision of one person, the director. This course examines the career of a specific director, emphasizing his/her auteur characteristics. Students view selected films from the directors filmography and prepare a paper on a particular auteur characteristic.

JCM 465. MEDIA LAW & ETHICS 4 sh

Study covers law and ethics in print journalism and broadcasting with particular emphasis on libel laws, invasion of privacy, free press, fair trial, obscenity and pornography, censorship and federal regulations of broadcasting content. Offered fall and spring.

JCM 490. RESEARCH METHODS 4 sh

This course presents the theoretical and methodological knowledge necessary to conduct mass communication research, political polling, marketing research and the reporting of research.

JCM 491. INDEPENDENT STUDY 1-4 sh**JCM 495. SENIOR SEMINAR** 4 sh

This capstone course for majors examines current issues and research in journalism, broadcast communications and corporate communications and film. Students demonstrate competence in areas (such as communication theory, history and law) through projects and examinations. Prerequisite: senior status. (Students must pass this course with a grade of "C-" or better.) Offered fall and spring.

MATHEMATICS

Chair, Department of Mathematics: Associate Professor Clark

Professors: Francis, Haworth, W. Hightower, Reichard

Associate Professors: Barbee, T. Johnson, Richardson

Assistant Professors: Allis, Nawrocki, Lee, Russell

Adjunct Instructors: M. Johnson, Walton, Whiffen

The Department of Mathematics offers programs leading to the A.B. or B.S. degree with a major in mathematics. A minor in mathematics is available for students majoring in another discipline.

Mathematics is an excellent major for the student whose immediate objective is to acquire a good liberal arts education. Students who complete a bachelor's degree in mathematics may choose several post-graduate alternatives, including an advanced degree in either mathematics or another closely related field (computer science, biometry, information science, statistics, operations research).

Students who combine mathematics with another discipline that uses mathematics can also pursue graduate work in the second discipline. These areas include biology, chemistry, economics, medicine, physics and many of the social science disciplines. In addition, mathematics majors may teach at the secondary level or work in business, industry or government positions which emphasize analytical reasoning.

The Bachelor of Arts and the Bachelor of Science degrees in Mathematics

MTH 121	Calculus and Analytic Geometry I	4 sh
MTH 221	Calculus and Analytic Geometry II	4 sh
MTH 231	Mathematical Reasoning	4 sh
MTH 311	Linear Algebra	4 sh
MTH 312	Abstract Algebra	4 sh
MTH 321	Calculus and Analytic Geometry III	4 sh

MTH 425	Analysis	4 sh
MTH 361	Seminar I	2 sh
MTH 461	Seminar II	2 sh
TOTAL		32 sh

A Bachelor of Arts Degree in Mathematics requires the following courses:

Core Courses in Mathematics	32 sh	
One course selected from	4 sh	
MTH 331	Modern Geometry	
MTH 341	Probability & Statistics	
MTH 351	Theory of Computation	
MTH 415	Numerical Analysis	
MTH 421	Differential Equations	
MTH elective(s) at the 300-400 level (excluding MTH 481)	4 sh	
CSC 130	Computational Programming	4 sh
PHY 113	Physics W/Calculus I	4 sh
TOTAL		48 sh

A Bachelor of Science Degree in Mathematics requires the following courses:

Core Courses in Mathematics	32 sh
One course selected from	4 sh
MTH 331 Modern Geometry	
MTH 341 Probability & Statistics	
MTH 351 Theory of Computation	
MTH 415 Numerical Analysis	
MTH 421 Differential Equations	
MTH elective(s) at the 300-400 level (excluding MTH 481)	4 sh
CSC 130 Computational Programming	4 sh
One CSC course numbered above 130	4 sh
PHY 113 Physics W/ Calculus I	4 sh
PHY 114 Physics W/ Calculus II	4 sh
TOTAL	56 sh

Secondary Teaching Certification in Mathematics

Students planning to teach Mathematics at the secondary level must complete a Bachelor of Arts or Bachelor of Science degree in mathematics and include MTH 331 and 341 among the Mathematics requirements, in addition to the required professional education courses (see professional education course requirements listed under Education Department).

A minor in Mathematics requires the following courses:

MTH 121	Calculus and Analytic Geometry I	4 sh
MTH 221	Calculus II	4 sh

MTH 231	Mathematical Reasoning	4 sh
MTH 311	Linear Algebra	4 sh
Elective(s) from MTH 114 or Mathematics courses numbered 200 or above (excluding MTH 210 and MTH 481)		
Computer Science courses, or Economics 202		4 sh
TOTAL		20 sh

A student may exempt Mathematics 111, 115, and/or 121 by demonstrating proficiency.

Once a student has received credit, including transfer credit for a course, credit may not be received for any course with material that is equivalent to it or is a prerequisite for it, without permission of the Mathematics Department.

MTH 100. INTERMEDIATE ALGEBRA 4 sh

This course strengthens fundamentals such as exponents, factoring, equation solving, rational expressions, radicals, quadratic equations and graphing of first-degree equations. MTH 100 or demonstrated competence is required of all students. Must be completed with "C-" or better before taking any other mathematics course. Does not satisfy general studies requirement in Mathematics. A graphing calculator is required. No credit to students having passed MTH 110 or 111, or a course with MTH 111 prerequisite. Offered fall and spring.

MTH 110. THE NATURE OF MATHEMATICS 4 sh

This course provides insight into the nature of mathematics, emphasizing reasoning, communicating mathematical ideas, applications and quantitative skills. Topics include the mathematics of social choice, the mathematics of voting, weighted voting systems, fair division, graph theory and its role as a tool in modeling and solving real world problems, population growth, linear growth, exponential growth, sequences and series, recursive definition of sequences and the use of recursion and technology to model real world processes, statistics and probability. Prerequisite: MTH 100 or placement exemption. No credit to students with prior credit for MTH 114 or higher. Offered fall, winter and spring.

MTH 111. COLLEGE ALGEBRA WITH APPLICATIONS 4 sh

This course provides a study of algebraic and geometric models of various functions and relations using a graphing calculator and traditional methods. Application to "real world" problems is emphasized. Topics include real and complex numbers, systems of equations, relations, functions and graphs. A graphing calculator is required. Prerequisite: MTH 100 or placement exemption. No credit to students with prior credit for MTH 115 or higher. Offered fall, winter and spring.

MTH 114. ELEMENTARY STATISTICS 4 sh

Students needing a general overview of modern statistics study topics such as organization of data, measures of central tendency and variability, one normal distribution, sampling, tests of hypothesis, estimation, correlation and regression. A graphing calculator is required. Prerequisite: MTH 110 or 111 or placement exemption. No credit for both ECO 202 and MTH 114. Offered fall, winter and spring.

MTH 115. COLLEGE ALGEBRA AND ELEMENTARY FUNCTIONS 4 sh

This course provides a study of algebraic, trigonometric, exponential and logarithmic functions and their behavior. Constructing, analyzing and describing mathematical models of everyday phenomena is emphasized. A graphing

calculator is required. Prerequisite: MTH 100 or placement exemption. Offered fall and winter.

MTH 116. APPLIED MATHEMATICS WITH CALCULUS 4 sh

This introduction to linear systems and differential calculus emphasizes applications to problem-solving in business and economics. Students gain enhanced ability to analyze a problem mathematically and study topics such as systems of linear equations, matrices, functions, limits, derivatives and applications of derivatives. No credit for students with MTH 121 or its exemption. Prerequisite: MTH 111 or placement exemption. Offered fall, winter and spring.

MTH 121. CALCULUS AND ANALYTIC GEOMETRY I 4 sh

Students are introduced to analytic geometry, functions, limits and continuity, differentiation of algebraic functions with applications, the definite integral and the fundamental theorem of integral calculus. A graphing calculator is required. Prerequisite: MTH 115 or placement exemption. Offered fall and spring.

MTH 210. MATHEMATICS FOR ELEMENTARY AND MIDDLE GRADES TEACHERS 4 sh

This course is open only to students majoring in elementary education, special education or middle grades education with a concentration in mathematics. Topics include problem solving, numeration systems, set theory, rational and irrational numbers (concepts, operations, properties, and algorithms), geometry, measurement and selected topics in probability and statistics. Prerequisite: general studies mathematics requirement. Offered fall and spring.

MTH 221. CALCULUS AND ANALYTIC GEOMETRY II 4 sh

Students explore applications of the definite integral, differentiation and integration of transcendental functions, techniques of integration, indeterminate forms, improper integrals, plane

curves and polar coordinates. A graphing calculator is required. Prerequisite: MTH 121. Offered fall and spring.

MTH 231. MATHEMATICAL REASONING 4 sh

This study of proof techniques and reasoning skills introduces the student to another side of mathematics, namely proof. The student's preceding courses (e.g. precalculus and calculus) usually focus on calculations. Topics include mathematical logic, sets, mathematical induction, combinatorics, relations and countability arguments. Approved for advanced level designation. Prerequisite: MTH 121. Offered fall and spring.

MTH 311. LINEAR ALGEBRA 4 sh

This introductory course in linear algebra includes systems of linear equations, matrices, determinants, vector spaces, eigenvalues, eigenvectors, orthogonality, and linear transformations. Proofs of the major theorems and a variety of applications are also covered. Prerequisites: MTH 221 and 231. Offered fall and spring.

MTH 312. ABSTRACT ALGEBRA 4 sh

Students who have had an introduction to the rules of logic and proof-construction are introduced to abstract algebra, including topics such as functions, groups (cyclic, permutation, normal, and quotient), properties of groups, rings, fields, homomorphisms, isomorphisms, real and complex numbers and polynomials. Prerequisites: MTH 231 and 311. Offered spring.

MTH 321. CALCULUS AND ANALYTIC GEOMETRY III 4 sh

This course provides a study of advanced techniques of differential and integral calculus, including infinite sequences and series, 3-dimensional analytic geometry including vectors, differentiation and integration of multivariable functions, applications. A graphing calculator is required. Prerequisite: MTH 221. Offered fall.

MTH 331. MODERN GEOMETRY 4 sh

This rigorous treatment of axiomatic foundations of Euclidean geometry through Hilbert's axioms includes the role and independence of the parallel postulate (revealed through models and neutral geometry), straightedge and compass constructions, historical and philosophical implications of the discovery of non-Euclidean geometry, with an introduction to both hyperbolic and elliptic geometry. Prerequisite: MTH 231. Offered fall of odd-numbered years.

MTH 341. PROBABILITY THEORY AND STATISTICS 4 sh

Topics include axiomatic probability, counting principles, discrete and continuous random variables and their distributions, sampling distributions, central limit theorem, confidence intervals and hypothesis testing. Prerequisites: MTH 221 and 231. Offered fall of even-numbered years.

MTH 351. THEORY OF COMPUTATION 4 sh

(Same course as CSC 351. See CSC 351 for description.)

MTH 361. SEMINAR I 2 sh

This course prepares mathematics majors for Seminar II, the capstone seminar, by instruction and experience in library research and formal oral presentations on advanced mathematical topics selected by the instructor and students. Prerequisite: junior/senior standing or permission of the mathematics department. Offered spring.

MTH 371. SPECIAL TOPICS 2-4 sh

Topics are selected to meet the needs and interests of students.

MTH 415. NUMERICAL ANALYSIS 4 sh

This introduction to numerical analysis includes floating point arithmetic, interpolation, approximation, numerical integration and differentiation, nonlinear equations and linear systems of equations. Prerequisites: CSC 130, MTH 311 and 321, or permission of the instructor. (CSC 415 is the same as MTH 415.) Offered spring of even numbered years.

MTH 421. DIFFERENTIAL EQUATIONS 4 sh

Topics in this in-depth study of methods of solution and applications of ordinary differential equations include first order differential equations (linear and nonlinear), linear differential equations of higher order, mathematical models using second order equations, systems of differential equations and numerical techniques including Euler, Improved Euler and the Runge-Kutta method. Computers or programmable calculators may be used. Prerequisite: MTH 321. Offered spring of odd-numbered years.

MTH 425. ANALYSIS 4 sh

This course provides in-depth study of topics introduced in the 3-course calculus sequence, including sequences and series, continuity and differentiation of functions of a single variable, the Riemann integral, and the fundamental theorem of calculus. Prerequisites: MTH 312 and 321. Offered fall.

MTH 461. SEMINAR II 2 sh

In this capstone experience for senior mathematics majors, students conduct extensive research on a mathematical topic and formally present their work in writing and orally. Course requirements include a satisfactory score on the ETS major field achievement test. Prerequisite: MTH 361 and junior/senior standing, or permission of the department. Offered fall.

MTH 471. SPECIAL TOPICS 2-4 sh

Topics are selected to meet the needs and interests of the students.

MTH 481. INTERNSHIP IN MATHEMATICS 1 - 4 sh

The internship provides advanced work experiences in some aspect of mathematical sciences and is offered on an individual basis when suitable opportunities can be arranged. Prerequisite: Permission of the department.

MTH 491. INDEPENDENT STUDY 1 - 4 sh

Prerequisite: Permission of the department. May be repeated with different topics for up to a total of eight semester hours.

MEDICAL TECHNOLOGY

Chair, Department of Biology and Allied Health: Professor House

Program Director: O'Laughlin

Medical Director: Steuterman

College Program Director: H. House

See Biology

MILITARY SCIENCE

186

Elon College, in cooperative agreement with North Carolina A&T State University, offers an Army Reserve Officers' Training Corps (ROTC) program.

The Army Reserve Officers' Training Corps program provides a viable elective program for both male and female students. The program is divided into a basic course and an advanced course. These are normally completed during a four-year period. However, it is possible for veterans and other students who elect to undergo special training to complete the program in two years.

PROGRAMS OF INSTRUCTION

Programs of instruction for the Army ROTC include a four-year program and a two-year program. The four-year program consists of a two-year basic course, a two-year advanced course and the advanced ROTC Summer Camp. The two-year program encompasses a basic ROTC Summer Camp, a two-year advanced course and the advanced ROTC Summer Camp.

BASIC COURSE

The basic course is normally taken during the freshman and sophomore years. The purpose of this instruction is to introduce the student to basic military subjects: branches of the Army, familiarization with basic weapons, equipment and techniques, military organization and functions and the techniques of leadership and command. It is from the students who successfully complete this instruction that the best qualified are selected for the advanced course which leads to an officer's commission.

Credit for the basic course can be obtained by successful completion of the following courses:

MSC 111	Introduction of Citizen/Soldier	1 sh
MSC 112	Introduction to U.S. Military Forces	1 sh
MSC 141, 142	Leadership Laboratory	1 sh/ea
MSC 211	Development of Professional Military Skills I	1 sh
MSC 212	Development of Professional Military Skills II	1 sh
MSC 241, 242	Leadership Laboratory	1 sh/ea
TOTAL		8 sh

Successful completion of Military Science 251, or prior service in the Armed Forces, can be used to obtain appropriate credit for the basic course.

ADVANCED COURSE

Students who receive appropriate credit for the basic course and meet eligibility standards are admitted to the advanced course on a best qualified basis. Successful

completion of the advanced course qualifies the student for a commission as a Second Lieutenant in one of the branches of the United States Army, Army Reserves or Army National Guard. The following courses are required for completion of the advanced course:

MSC 311	Leadership Training	2 sh
MSC 312	Introduction to Military Team Theory	2 sh
MSC 341, 342	Leadership Laboratory	1 sh/ea
MSC 351.	Army ROTC Advanced Camp	4 sh
MSC 411.	Seminars in Leadership and Professional Development	2 sh
MSC 412.	Leadership, Law and Ethics	2 sh
MSC 441, 442.	Leadership Laboratory	1 sh/ea
Total		16 sh

187

TWO-YEAR PROGRAM

This program is designed for junior college students or sophomores at four-year institutions who have not taken ROTC. A basic six week summer training period after the sophomore year takes the place of the basic course required of students in the traditional four-year program. When a student with two years of college has successfully completed the basic summer training, he/she is eligible for the advanced ROTC course in his/her junior and senior years. The advanced course, which leads to an officer commission, is the same for students in either the two-year program or the four-year programs.

MSC 111. INTRODUCTION OF CITIZEN/SOLDIER *1 sh*

of cadet leadership and critical skills. Training is basic in scope and includes leadership, written and oral communications, physical fitness and general military subjects.

MSC 112. INTRODUCTION TO U.S. MILITARY FORCES *1 sh*

Introduction to U.S. Military Forces provides an introduction to and fosters the early development of leadership and soldier skills. Topics of training include leadership, drill and ceremonies, first aid and general military subjects.

MSC 141,142. LEADERSHIP LABORATORY (each semester) *1 sh*

Hands-on, practical training is the focus of the Leadership Laboratory. Students become proficient in basic military skills, drill and ceremonies, first aid and conducting inspections. Attention is also given to individual arms and marksman-ship techniques.

MSC 211. DEVELOPMENT OF PROFESSIONAL MILITARY SKILLS I *1 sh*

This course continues the development

MSC 212. DEVELOPMENT OF PROFESSIONAL MILITARY SKILLS II *1 sh*

Instruction in the second part of this sequence expands the students' frame of reference to include an understanding of roles and responsibilities and fosters internalization of the Professional Army Ethic. Training is basic in scope and includes written and oral communication, military skills, professional knowledge subjects and physical fitness.

MSC 241, 242. LEADERSHIP LABORATORY (each semester) *1 sh*

This Leadership Laboratory serves as a learning laboratory for hands-on practical experiences. Training includes instruction on operations, tactics, land navigation, first aid and general military

subjects. Key course components emphasize the functions, duties and responsibilities of junior noncommissioned officers. The primary focus is the continued development of leadership potential through practical experience. The APFT is given to assess the state of physical development.

MSC 251. ARMY ROTC BASIC CAMP 4 sh

Basic Camp is six weeks of training at Fort Knox, KY, consisting of Army history, role and mission, map reading/land navigation, rifle marksmanship, basic leadership techniques, physical training/marches, individual and unit tactics, communications. This course can be taken by rising juniors to substitute for MSC 111, 112, 141, 142, 211, 212, 241, 242. Prerequisite: qualification tests.

MSC 311. LEADERSHIP TRAINING 2 sh

Designed to prepare cadets for the full range of responsibilities associated with Advanced Camp, Leadership Training refines the leader development process. Instruction is supplementary in scope and includes leadership, written and oral communications, operations, tactics and general military subjects.

MSC 312. INTRODUCTION TO MILITARY TEAM THEORY 2 sh

This course emphasizes the development of intermediate level cadet leader skills in preparation for Advanced Camp. Training is supplementary in scope and includes leadership, written and oral communications, operations, tactics, land navigation, weapons and general military subjects.

MSC 341, 342. LEADERSHIP LABORATORY (each semester) 1 sh

In this learning laboratory for hands-on practical experiences, the focus is on soldier team development at a squad/patrol level and supplementary training includes land navigation and weapons. Emphasis is also placed on the development of intermediate leader skills in a

field environment. The APFT is administered to assess physical development.

MSC 351. ARMY ROTC ADVANCED CAMP 4 sh

Normally taken the summer following the junior year, the six-week Advanced Camp training/internship is conducted at designated U.S. Army installations. Prerequisite: MSC 312.

MSC 411. SEMINARS IN LEADERSHIP AND PROFESSIONAL DEVELOPMENT 2 sh

Cadets develop leadership, technical and tactical skills through performance as a trainer/supervisor. Supplementary training includes leadership, written and oral communications, operations and tactics, physical fitness, training management and general military subjects. The focus gradually shifts to familiarize the student with future assignments as an officer.

MSC 412. LEADERSHIP, LAW AND ETHICS 2 sh

Leadership, Law and Ethics continues the development of critical leadership skills. Training includes leadership, ethics, professionalism, law, written and oral communications, operations, tactics and general military subjects. The course culminates with instruction on making the transition to the Officer Corps.

MSC 441, 442. LEADERSHIP LABORATORY (each semester) 1 sh

Hands-on practical experiences reinforce cadet training, which is designed to solidify the commitment to officership, reinforce individual competencies and afford maximum practical officer leadership experiences. The laboratory emphasizes the functions, duties and responsibilities of junior Army officers, with special attention directed to developing advanced leadership skills through active participation in planning and conducting military drills, ceremonies and field training.

MSC 451. AIRBORNE TRAINING

3 sh

Three weeks of intensive airborne training includes physical conditioning, landing techniques, parachute safety, simulated jumps, procedures in and

around aircraft and five combat jumps from Air Force aircraft at 1,250 feet. Selection for this opportunity is highly competitive. Only a few cadets nationwide are accepted.

MUSIC

Chair, Department of Music: Professor Bragg

Associate Professors: Erdmann, Fischer

Adjunct Professor: Artley

Adjunct Instructors: Cykert, Dula, Eagle, King, LaRocco, McMillian, Metzger, Novine-Whitaker, Payne, Ramaswamy, Reed, Sullivan

189

The Department of Music at Elon College offers three music degrees. The B.S. in Music Education is for those students who wish to teach in elementary, middle or high school music programs. The program is a collaborative effort between the Music Department and the education department. The A.B. in Music Performance is for those students who wish to emphasize the study of instrumental or vocal music. Students in this program will be expected to become accomplished performers while developing a solid base in theory, composition and history. The A.B. in Music is primarily for those students who do not wish to concentrate on a performance area or who wish to double major in another liberal arts department. Students in this program will have a continuing background in musical performance through participation in ensembles of their choice and private lessons.

The major in Music requires the following courses:

HST 112	History of Western Civilization	4 sh
MUS 111	The Materials of Music I	3 sh
MUS 112	The Materials of Music II	3 sh
MUS 211	The Materials of Music III	3 sh
MUS 212	The Materials of Music IV	3 sh
MUS 154	Piano Class I	1 sh
MUS 155	Piano Class II	1 sh
MUS 315	The Music of Ancient Times Through 1750	4 sh
MUS 316	Classic and Romantic Music	4 sh
MUS 495	Senior Seminar	2-4 sh

In addition, each music major must complete:

- | | |
|---|--------|
| (a) Eight semester hours Music electives at 300-400 level | 8 sh |
| (b) Four semesters of applied music lessons | 4-8 sh |
| (c) Ensembles | 4 sh |

TOTAL **44-50 sh**

The major in Music Education requires the following courses:

HST 112	History of Western Civilization	4 sh
MUS 111	The Materials of Music I	3 sh
MUS 112	The Materials of Music II	3 sh

MUS 113	Aural Skills I	1 sh
MUS 114	Aural Skills II	1 sh
MUS 211	The Materials of Music III	3 sh
MUS 212	The Materials of Music IV	3 sh
MUS 213	Aural Skills III	1 sh
MUS 214	Aural Skills IV	1 sh
MUS 313	Form and Analysis	2 sh
MUS 315	The Music of Ancient Times Through 1750	4 sh
MUS 316	Classic and Romantic Music	4 sh
MUS 361	Percussion Techniques	1 sh
MUS 362	Brass Techniques	1 sh
MUS 363	Woodwind Techniques	1 sh
MUS 364	String Techniques	1 sh
MUS 366	Conducting	2 sh
MUS 411	Instrumental and Choral Arranging	2 sh
MUS 413	Twentieth Century Techniques	2 sh
MUS 461	Music Education in the Public Schools	4 sh

In addition, each Music Education major must complete:

- (a) Applied music lessons, at least one semester at 300 level 6-12 sh
- (b) Half-recital accepted by music faculty
- (c) Ensemble from Music 101, 102, 103, and 105 8 sh
- (d) Keyboard proficiency
- (e) Concert attendance as outlined in the Music Student Handbook.

TOTAL
58-64 sh

In addition, vocal majors must take MUS 258, Diction for Singers.

The music student must also complete the required professional education courses and observe the requirements for the teacher education program as outlined under Education.

The major in Music Performance requires the following courses:

HST 112	History of Western Civilization	4 sh
MUS 111	The Materials of Music I	3 sh
MUS 112	The Materials of Music II	3 sh
MUS 113	Aural Skills I	1 sh
MUS 114	Aural Skills II	1 sh
MUS 211	The Materials of Music III	3 sh
MUS 212	The Materials of Music IV	3 sh
MUS 213	Aural Skills III	1 sh
MUS 214	Aural Skills IV	1 sh
MUS 313	Form and Analysis	2 sh
MUS 315	The Music of Ancient Times Through 1750	4 sh
MUS 316	Classic and Romantic Music	4 sh
MUS 413	Twentieth Century Techniques	2 sh

A choice of one of the following: 2 sh

- MUS 366 Conducting
- MUS 369 Methods and Materials of Piano Pedagogy
- MUS 411 Instrumental and Choral Arranging

In addition, each Music Performance major must complete:

- (a) Applied music lessons, at least one semester at the 400 level 7-14 sh
- (b) Half solo recital at the 300 level
- (c) Full solo recital at the 400 level
- (d) Ensemble from Music 101, 102, 103, and 105 (8 sh)
- (e) Keyboard proficiency
- (f) Concert attendance as outlined in the Music Student Handbook.

TOTAL 49-56 sh

In addition, vocal majors must take MUS 258, Diction for Singers.

A minor in Music requires 20 semester hours. Students lacking functional knowledge of the keyboard must accumulate two semester hours in piano either prior to, or simultaneously with their enrollment in Music 111 and 112.

The following courses are required:

- MUS 111 The Materials of Music I 3 sh
- MUS 112 The Materials of Music II 3 sh

A choice of one of the following: 4 sh

- MUS 303 Music History for the Liberal Arts Student
- MUS 315 The Music of Ancient Times Through 1750
- MUS 316 Classic and Romantic Music
- MUS 319 History of American Music

In addition, each Music Minor must complete:

- (a) One medium of applied music instruction 6 sh
- (b) Ensemble from MUS 101, 102, 103, and 105 4 sh

TOTAL 20 sh

APPLIED MUSIC-INDIVIDUAL AND GROUP INSTRUCTION

Music majors/minors register for the appropriate level and area of applied music study as determined by audition and consultation with their advisor or the department chair. With permission of the department, the general college student may register for any course in applied music.

Weekly 30-minute lesson: 1 sh credit (Section A). Weekly 60-minute lesson: 2 sh credit (Section B). A special fee is required for non-majors.

APPLIED MUSIC: INDIVIDUAL INSTRUCTION

Piano: 120, 220, 320, 420
 Organ: 121, 221, 321, 421
 Voice: 122, 222, 322, 422
 Trumpet: 123, 223, 323, 423
 French Horn: 124, 224, 324, 424
 Trombone: 125, 225, 325, 425
 Baritone (Euphonium): 126, 226, 326, 426
 Tuba: 127, 227, 327, 427
 Flute: 128, 228, 328, 428
 Oboe: 129, 229, 329, 429
 Clarinet: 130, 230, 330, 430
 Bassoon: 131, 231, 331, 431

Saxophone: 132, 232, 332, 432
 Violin: 133, 233, 333, 433
 Viola: 134, 234, 334, 434
 Cello: 135, 235, 335, 435
 String Bass: 136, 236, 336, 436
 Guitar: 137, 237, 337, 437
 Percussion: 138, 238, 338, 438
 Electric Bass: 139, 239, 339, 439

APPLIED MUSIC CLASSES: GROUP INSTRUCTION

192

MUS 152, 153. VOICE CLASS I & II 1 sh

Group voice instruction ranges from beginning to intermediate.

MUS 154-157. PIANO CLASS I-IV 1 sh

Group piano instruction ranges from beginner to intermediate.

MUS 158. GUITAR CLASS 1 sh

Beginners develop musical skills with the guitar—simple chords, melodies and songs—using elements of classical guitar techniques as a foundation.

MUS 258. DICTION FOR SINGERS 2 sh

Students learn to use the International Phonetic Alphabet and are introduced to the pronunciation of English, Latin, Italian, French and German as it applies to vocal literature. Required of voice majors.

MUSIC MATERIALS, STRUCTURES AND TECHNIQUES

MUS 111, 112. THE MATERIALS OF MUSIC 3 sh

A study of the fundamentals of music, diatonic harmony and elementary voice-leading and part-writing includes an introduction to harmonic-melodic form, analysis and synthesis of harmonic practices through secondary seventh chords. Offered fall and spring.

MUS 113, 114. AURAL SKILLS I & II 1 sh

Study emphasizes melodic-harmonic-rhythmic dictation, sight singing and keyboard study. Offered fall and spring.

MUS 211, 212. THE MATERIALS OF MUSIC III & IV 3 sh

A continuation of Music 112 on an

advanced level includes complex chromatic harmonies and emphasizes analysis and composition of standard musical forms. Prerequisite: MUS 112. Prerequisite for 212: MUS 211. Offered fall and spring.

MUS 213, 214. AURAL SKILLS III & IV 1 sh

These courses provide advanced study in melodic-harmonic-rhythmic dictation, sight singing and keyboard study. Prerequisite: MUS 114. Offered fall and spring.

MUS 254, 255. JAZZ IMPROVISATION I & II 1 sh

Instrumentalists or vocalists develop skills in improvisational jazz performance techniques.

MUS 311. COUNTERPOINT 4 sh

Analysis and composition of period works are part of the study of counterpoint from the 16th to 20th centuries with applications to various vocal and instrumental writings. Prerequisite: MUS 212.

MUS 313. FORM AND ANALYSIS 2 sh

Acquaints the student with the standard forms of tonal music through the aural and visual study of micro and macro forms of representative works. Offered fall of alternate years. Prerequisite: MUS 112

MUS 413. TWENTIETH CENTURY TECHNIQUES 2 sh

A study of the changes which have taken place in music of the twentieth century. Techniques to be studied include atonality, polytonality, serialism, integral serialism, dodecaphony and electronic music. Offered spring of alternate years. Prerequisite: MUS 112.

MUS 411. INSTRUMENTAL AND CHORAL ARRANGING 2 sh

Students explore technical possibilities and limitations of individual instruments and voices. Study also covers arranging and transcribing for various combinations of instruments and voices.

MUS 265-465. COMPOSITION 1 sh

Students write compositions integrating

techniques of studied repertoire as they explore musical composition in weekly individual meetings with an instructor. Prerequisite: MUS 112 or permission of instructor.

LITERATURE AND HISTORY

MUS 216. THE STUFF OF MUSIC 4 sh

Through a series of exercises, readings, outside class activities and class participation, students become familiar with the materials which form the basis of music, including instruments, notation and terminology. Hands-on application includes basic performance on rhythm instruments and composing simple music compositions.

MUS 217. WORLD MUSIC 4 sh

Text readings, listening, research, writing and class presentation are part of an introduction to the music of Asia, Eastern Europe, Africa, and Central and South America. Students gain increased awareness of the art and music of other cultures, make connections with their own art and folk traditions and search for shared meanings of all musical expression.

MUS 303. MUSIC HISTORY FOR THE LIBERAL ARTS STUDENT 4 sh

Non-music majors gain improved skills to enhance musical enjoyment, basic knowledge of music styles and events, and focus on placing this knowledge in the context of world events and trends. Study covers selected personalities and works in music through substantial reading, listening, research and writing.

MUSIC EDUCATION

The following technique courses are required for music majors seeking music teacher certification.

MUS 361	Percussion Techniques	1 sh
MUS 362	Brass Techniques	1 sh
MUS 363	Woodwind Techniques	1 sh
MUS 364	String Techniques	1 sh
MUS 366	Conducting	2 sh

MUS 315. THE MUSIC OF ANCIENT TIMES THROUGH 1750 4 sh

This survey of music through the Baroque period emphasizes Renaissance and Baroque counterpoint through reading, listening, analysis, research and writing. Students also explore counterpoint through original compositional exercises. Offered spring of alternate years. Prerequisite: MUS 112.

MUS 316. CLASSIC AND ROMANTIC MUSIC 4 sh

By reading, listening, research and writing, students explore the relationship of 18th- and 19th-century music to the world – as the expression of artists responding to political, social and philosophical environments. The course also emphasizes the progressive study of formal analysis, from smaller forms to the large single and multi-movement genres of the period. Offered fall of alternate years. Prerequisite: MUS 112.

MUS 318. HISTORY OF JAZZ 4 sh

This overview of jazz music from about 1900 to the present is designed for the liberal arts major. Topics include jazz styles, individual musicians and the development and progress of jazz through the 20th century.

MUS 319. HISTORY OF AMERICAN MUSIC 4 sh

Study of American music from 1620 to the present focuses on elements of various musical cultures (i.e. Western and Eastern Europe, Africa, Latin America) that have influenced the American style of music.

Students develop skill in baton and rehearsal techniques and interpretation in training and leading various ensembles of instruments and voices.

**MUS 461. MUSIC EDUCATION IN
THE PUBLIC SCHOOLS** 4 sh

A study of the methods and materials suitable for teaching at all levels covers the administration of band, orchestra

and choral programs in the public schools with additional emphasis on marching band techniques. Offered spring of alternate years.

ENSEMBLES

MUS 101. WIND ENSEMBLE 1 sh

Open to all students.

MUS 102. CHOIR 1 sh

Open to all students.

MUS 103. ORCHESTRA 1 sh

By audition only.

MUS 104. JAZZ ENSEMBLE 1 sh

By audition only.

MUS 105. CHAMBER SINGERS 1 sh

By audition only.

MUS 106. CHAMBER ENSEMBLE 1 sh

By audition only.

MUS 107. ÉLAN 1 sh

By audition only.

MUS 108. PERCUSSION ENSEMBLE 1 sh

By audition only.

OTHER OFFERINGS

**MUS 369. METHODS & MATERIALS
OF PIANO PEDAGOGY** 2 sh

Students interested in teaching piano in a private studio explore group and individual instructional techniques for beginning and intermediate students, suitable repertoire, basic keyboard musicianship and pupil psychology.

**MUS 471. SEMINAR:
SPECIAL TOPICS** 1-4 sh

Small groups study under the guidance of a member of the staff.

MUS 491. INDEPENDENT STUDY 1-4 sh

MUS 495. SENIOR SEMINAR 2-4 sh

This capstone experience for music, music theatre and theatre arts majors includes a comprehensive evaluation of the student's previous education in the major field, a major project to demonstrate proficiency in the student's major area of interest or emphasis, and preparation of materials necessary for enrollment in graduate school or the profession.

MUSIC THEATRE

Chair, Department of Performing Arts: Associate Professor McNeela
Professor: Bragg

Assistant Professors: Becherer, Rubeck, Wellford

Adjunct Instructors: Johnson, Romersberger

The Department of Performing Arts offers a Bachelor of Fine Arts in Music Theatre, a degree geared toward the student who wishes to pursue a career in performance or graduate studies following graduation. Admission to the program requires an audition demonstrating initial talent.

Coursework within this major is designed to train students in the three essential skill areas for music theatre: music, acting and dance. Students take studio dance classes in

Ballet, Jazz, Modern and Tap, studio voice lessons, music theory and a minimum of four semesters of acting. Further study includes the literature and history of music theatre.

Practical application of all aspects of study are expected through participation in department stage productions, concerts and recitals. Outreach to the professional world occurs throughout the course of study through participation in vocal, dance and theatre festivals, conventions, auditions and competitions. The final result is an artist prepared for entry to the world of professional performance.

A major in Music Theatre requires the following courses:

MTE 301	History of Music Theatre	4 sh
MTE 302	Music Theatre Literature	4 sh
MTE 321	Performance in Music Theatre	4 sh
MTE 495	Senior Seminar	4 sh
MUS 111	Materials of Music I	3 sh
MUS 113	Aural Skills I	1 sh
MUS 114	Aural Skills II	1 sh
MUS 154	Piano Class	1 sh
THE 120	Voice & Movement	4 sh
THE 220	Performance Skills I	4 sh
THE 221	Performance Skills II	4 sh
DAN 306	Dance for the Musical Stage	1 sh

In addition, each major must complete the following:

- | | |
|---|-------|
| (a) six semesters of private voice at appropriate level | 12 sh |
| (b) six semesters of studio technique courses in dance with a minimum of one credit in each of the following:
Ballet, Jazz, Modern and Tap | 6 sh |
| (c) electives selected from Music Theatre, Theatre Arts, Dance or Music | 14 sh |
| (d) one semester hour of singing in an ensemble | 1 sh |

TOTAL	68 sh
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MTE 301. HISTORY OF MUSIC THEATRE

4 sh

This course, open to all students, explores the origins and development of music theatre, its theatrical conventions and major elements from the mid-18th century to the present. Offered fall or spring.

to analyze music, plots, characters and situations in contemporary music theatre. Prerequisite: MUS 111, 113. Offered alternate years.

MTE 321. PERFORMANCE IN MUSIC THEATRE

4 sh

This performance-oriented course provides a systematic approach to achieving a high level of singing-acting skills. Students also receive training and practice in selecting, preparing and presenting audition material. Prerequisites: MUS 122 B, THE 120, 220. Offered alternate years.

MTE 302. MUSIC THEATRE LITERATURE

4 sh

The purpose of this course is to expose the student to the staples of the music theatre literature, to develop a critical sensitivity to the medium and to be able

**MTE 322. MUSIC THEATRE AND
OPERA SCENE STUDY**

4 sh

This performance-oriented course integrates music and theatre performance skills through the selection, development and presentation of partnered scenes from music theatre and opera repertoire. Prerequisites: two semesters of MUS 122 B or permission of instructor.

MTE 495. SENIOR SEMINAR

4 sh

This capstone experience for senior majors centers on a practical project which demonstrates proficiency in performance skills and preparation for graduate study or entry into the profession. Prerequisite: senior majors only. Offered fall.

196

NON-VIOLENCE STUDIES

Coordinator: Assistant Professor Cassebaum

Non-Violence Studies takes an interdisciplinary approach to seeking solutions to violence in its many forms. This program offers students the opportunity to critically analyze popular notions concerning the causes of violence and challenges them to consider a variety of other perspectives. By taking courses in a number of disciplines, all focused on the same topic, students are encouraged to integrate the methods and essential questions of fields including religion, political science, economics, literature, sociology, and psychology.

This minor is recommended for those interested in multi-cultural and international relations. The minor consists of a minimum of 20 semester hours, including a capstone course. An internship of 1-4 s.h. is strongly recommended.

A minor in Non-Violence Studies requires the following:

NVS 461-469 capstone course plus sixteen semester hours selected from the following courses or other approved newly offered courses from at least two different departments.

*ECO 371	Economic Justice	4 sh
*ENG 110-NV	College Writing: Writing About Poverty	4 sh
*ENG 370	Simple Living	4 sh
*ENG 372	Literature of Non-Violence	4 sh
HST 468	History of Social Movements in Post-Civil War America	4 sh
PHL 115	Ethical Practice	4 sh
PHL 352	Eastern Philosophy	4 sh
POL 368	Latin American Politics	4 sh
*POL 371	International Terrorism	4 sh
*POL 441	Peace, War, and Conflict Resolution	4 sh
PSY 357	Criminal Behavior	4 sh
*PSY 377	Psychology of Non-Violent Conflict Resolution	4 sh
*REL 279	Topics in Eastern Religion	4 sh
REL 345	Theology of Human Liberation	4 sh
REL 348	Environmental Ethics	4 sh

REL 353	Buddhism	4 sh
*REL 377	Feminist Ethics	4 sh
SOC 112	Introduction to Anthropology	4 sh
SOC 241	Social Issues and Problems	4 sh
SOC 341	Ethnic and Race Relations	4 sh
SOC 343	Social and Cultural Change	4 sh
*SOC 375	Non-Violence of the Brave	4 sh

TOTAL	20 sh
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* Designates courses which are routinely offered, although not listed by title in the catalog.

197

NVS 461-469 SEMINARS ON NON-VIOLENCE

4 sh

These seminars combine two or more interdisciplinary approaches to the problem of violence. Each will include exploration of non-violent approaches to conflict situations. Prerequisite: Two courses in non-violence studies.

NVS 381 INTERNSHIP IN

NON-VIOLENCE STUDIES 1-4 sh

Research, service, and occupational internships focusing on issues relating to violence and non-violence. Prerequisite: Two courses in non-violence studies and permission of the coordinator.

PHILOSOPHY

Chair, Department of Philosophy: Assistant Professor Lubling

Professor: Sullivan

Associate Professors: Batchelor, Weston

Philosophy—the very name means “love of wisdom”—lies at the heart of a liberal arts education. Philosophy at Elon has both a wisdom orientation for exploring enduring human concerns and a practical intent to enhance our life together and our care for the earth.

Philosophical study focuses on three sets of skills: 1) critical and constructive thinking—aiding students in identifying, analyzing and offering solutions to problems; 2) ethical practice—exploring ways to act wisely and effectively in our life with others, and 3) interpretive understanding—allowing students to bridge the meaning and value systems of diverse individuals, cultures and epochs.

Such skills are valuable for law and leadership, ministry and the helping professions, citizenship and service, and for deepening the quality of our lives. At 34 semester hours, the philosophy major is designed to allow room for a double major or a career-related minor.

A major in Philosophy requires the following courses:

PHL 113	Critical Thinking	4 sh
PHL 115	Ethical Practice	4 sh
PHL 331	Ancient Philosophy	4 sh
PHL 333	Modern Philosophy	4 sh

One course from among the following:	4 sh
PHL 431 Contemporary Philosophy	
PHL 432 American Philosophy	
PHL 433 Marx, Darwin, Freud	
Three courses chosen from any additional Philosophy offerings	12 sh
PHL 461 Integrative Tutorial	2 sh
TOTAL	34 sh

A minor in Philosophy requires the following courses:

PHL 113 Critical Thinking	4 sh
PHL 115 Ethical Practice	4 sh
PHL 331 Ancient Philosophy	4 sh or
PHL 333 Modern Philosophy	4 sh
Two courses chosen from any additional philosophy offerings	8 sh
TOTAL	20 sh

PHL 113. CRITICAL THINKING 4 sh

This foundation course in critical thinking introduces reading and listening skills, argument analysis and evaluation, and creative problem-solving methods. Such skills are valuable throughout life, from making effective presentations to promoting independent thinking. Offered fall and spring.

PHL 115. ETHICAL PRACTICE 4 sh

Ethical practice is a foundation course exploring ways to act wisely and effectively in our life with others. Drawing on the philosophical tradition and on critical examination of life situations, students engage such topics as personal integrity, sensitivity and fairness to others, and conditions for collaborative and respectful living. Offered fall and spring.

PHL 331. ANCIENT PHILOSOPHY 4 sh

This study of the origins of Western philosophy concentrates on the Golden Age of Greece, including such topics as Socrates, his predecessors, and his great successors, Plato and Aristotle. Students consider what it means to live a human life in a humane and liberating communal context. Offered at least once every two years.

PHL 332. MEDIEVAL PHILOSOPHY 4 sh

This study focuses on 12th and 13th century European intellectual developments, showing how Platonic and Aristotelian strands blend with Jewish, Christian and Islamic elements. Special topics include Bernard and Abelard, Averroes and Maimonides, Hildegard and Mechtild, Aquinas and Bonaventure, Dante and Eckhart.

PHL 333. MODERN PHILOSOPHY 4 sh

Discussion centers on crucial intellectual developments in the 17th and 18th centuries when the modern western world view arose. Specific attention is given to far-reaching changes in philosophical methods, theory of knowledge, new senses of self and world, and thinkers such as Descartes, Hume and Kant. Offered at least once every two years.

PHL 334. POLITICAL PHILOSOPHY 4 sh

Political Philosophy is a study of the roots of modern political thought, including such key 17th and 18th century developments as the case for sovereignty in the modern nation state, the rise of individual rights and the rationale for modern democracy. Major thinkers such as Hobbes, Locke and Rousseau are studied against the background of their turbulent times.

PHL 341. PHILOSOPHY OF LAW 4 sh

This basic examination of the nature, function and limits of law gives attention to human rights and natural justice, law and morality, theories of punishment and questions of legal responsibility. The course is of particular interest to pre-law, business and political science students.

PHL 342. PHILOSOPHY AND SOCIETY 4 sh

This course pursues a philosophical approach to the relation of individuals and social institutions. Topics considered may include the nature and possibility of the social sciences, philosophy of technology and the nature of community.

PHL 343. AGES AND STAGES OF LIFE 4 sh

In an archetypal approach to the stages of life, this course draws from transpersonal psychology/philosophy and from myths and stories of the first and second halves of life. The study seeks practical insights from developmental psychology and various spiritual teachings to help students deal with crucial life issues.

PHL 344. PHILOSOPHY OF SCIENCE 4 sh

Course study promotes the intelligent, critical assimilation of scientific information by developing a general framework for analyzing scientific claims. Topics include the structure of scientific reasoning, science in its cultural context, and the logical and other elements shaping scientific change.

PHL 345. FEMINIST PHILOSOPHY 4 sh

This survey and application of feminist philosophies examines feminism as a liberative movement with distinct ethical and political arguments; feminism as a revaluation of much that is overlooked and dismissed in traditional culture; and other forms of feminism.

PHL 348. ENVIRONMENTAL ETHICS 4 sh

Students explore the bearing of philosophical and religious ethics upon practical problems regarding the natural environment. This course also considers

the possible need for new ethical frameworks to address the environmental crisis we now face. (Same course as REL 348.)

PHL 352. EASTERN PHILOSOPHY 4 sh

Eastern Philosophy centers first on ancient China, exploring the Book of Changes and the thought of Lao Tzu and Confucius. The course continues with investigation of Buddha's insight, following Mahayana Buddhism into China, where it becomes Zen. Finally, the course examines the spirit of Zen and its influence on Japanese arts and culture.

PHL 355. PHILOSOPHY OF RELIGION 4 sh

This course explores Eastern and Western approaches to religious experience and notes differences between the literal, moralistic (exoteric) and the symbolic, mystical (esoteric) understandings of any religion. Students examine parable, teaching story, paradox, and the problem of religious language and consider ways of assessing religious claims, communities and personal practices. (PHL 355 is the same as REL 355.)

PHL 371-379. SPECIAL TOPICS 4 sh

Special topics are variable courses of timely and enduring interest. Past offerings have included Philosophy of Love, Philosophy and the Holocaust, Philosophy of Art, Death and Dying, Dante's Journey.

PHL 431. CONTEMPORARY PHILOSOPHY

4 sh

Students become acquainted with philosophical trends in the 20th century and develop appropriate skills of inquiry. The course surveys the changing landscape of philosophy in this volatile century and introduces students to key figures who have shaped that landscape.

PHL 432. AMERICAN PHILOSOPHY 4 sh

Focusing on the rich heritage of 19th and 20th century American thought from such figures as Emerson, Thoreau, Pierce, James, Dewey, and others, this course

emphasizes the originality of American philosophy and its continuing relevance.

PHL 433. MARX, DARWIN, FREUD 4 sh

These revolutionary makers of the modern mind—Marx, Darwin and Freud—have had enduring influence on subsequent thought in such diverse fields as philosophy and politics, biology and religion, sociology and psychology. This course examines their work in light of more recent attempts to incorporate, reform and extend their insights.

PHL 461. INTEGRATIVE TUTORIAL 2 sh

This intensive set of discussions, readings and writing activities is designed to insure that graduating majors have achieved competency in critical, ethical and interpretive skills. This course will focus on a single contemporary topic chosen by the

instructor. It will culminate with: (1) a final exam that will be graded by a committee of professors from the department, and (2) an interview with a philosopher from outside of this institution. For majors only. Offered fall of senior year.

PHL 471. SEMINAR: SPECIAL TOPICS 4 sh

PHL 481. INTERNSHIP IN PHILOSOPHY 1-4 sh

The internship provides work experience in a setting that is rich with practical philosophical problems. The goal is to enrich the student's appreciation of the link between philosophy and life. Offered on an individual basis when suitable opportunities can be arranged. Permission of the department is required.

PHL 491. INDEPENDENT STUDY 1-4 sh

200

PHYSICS

Chair, Department of Physics: Professor F. Harris

Associate Professor: Agnew

Assistant Professor: P. Das

Physics is the great intellectual web that underlies our understanding of the universe in which we live. In the Physics Department, the faculty seeks to elucidate that web of theory and experiment, studying not only its broad outlines and appealing symmetries, but also its delicate subtleties and elegant construction.

With faculty in both theoretical and experimental physics, Elon's program offers a wide variety of courses for science and non-science majors, including service courses for biology, chemistry, and mathematics as well as calculus-based Introductory Physics for the pre-engineer.

Our major and minor curricula begin with a three-semester introduction to the field and encompass focused courses that explore the major aspects of physics. Strong grounding in the "Classical" study of the mechanical and electrodynamic world is established before emphasis moves on to dynamical systems and field theory.

All of our courses integrate laboratory and use of the computer beginning with introductory courses, in which students work collaboratively and incorporate their experimental and problem-solving work. At higher levels, experiments ranging from gamma ray spectroscopy to computational simulation are integrated into each course. Advanced students also study the theories of quantum mechanics and relativity and those pursuing the B.S. degree conduct an individual research project.

Physics is a rich and complete program which prepares graduates for a variety of scientific careers, engineering, teaching or for any field in which critical thinking and problem-solving are crucial.

The Department of Physics offers programs leading to the Bachelor of Arts degree with a major in Physics, the Bachelor of Science degree with a major in Physics, and a minor concentration in Physics for students majoring in another discipline.

A Bachelor of Arts Degree in Physics requires the following courses:

PHY 113	General Physics I With Calculus	4 sh
PHY 114	General Physics II With Calculus	4 sh
PHY 213	Introduction to Modern Physics	4 sh
PHY 301	Classical Mechanics and Dynamical Systems	4 sh
PHY 311	Classical Electrodynamics	4 sh
PHY 312	Electricity, Magnetism, and Field Theory	4 sh
PHY 411	Quantum Mechanics	4 sh
MTH 121	Calculus and Analytic Geometry I	4 sh
MTH 221	Calculus and Analytic Geometry II	4 sh
MTH 321	Calculus and Analytic Geometry III	4 sh

TOTAL	40 sh
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A Bachelor of Science Degree in Physics requires the following courses:

PHY 113	General Physics I With Calculus	4 sh
PHY 114	General Physics II With Calculus	4 sh
PHY 213	Introduction to Modern Physics	4 sh
PHY 301	Classical Mechanics and Dynamical Systems	4 sh
PHY 311	Classical Electrodynamics	4 sh
PHY 312	Electricity, Magnetism, and Field Theory	4 sh
PHY 411	Quantum Mechanics	4 sh
MTH 121	Calculus and Analytic Geometry I	4 sh
MTH 221	Calculus and Analytic Geometry II	4 sh
MTH 321	Calculus and Analytic Geometry III	4 sh
PHY 491	Research	1 sh

Choose one course from the following 4 sh

- PHY 302 Statistical Mechanics and Thermodynamics
- PHY 412 Relativity and Cosmology
- PHY 471 Special Topics in Physics

Competence in computer programming must be demonstrated.

TOTAL	45 sh
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A minor in Physics requires the following courses:

PHY 113	General Physics I With Calculus	4 sh
PHY 114	General Physics II With Calculus	4 sh
PHY 213	Introduction to Modern Physics	4 sh
Select two Physics courses at the 300-400 level		8 sh

TOTAL	20 sh
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PHY 101. CONCEPTUAL PHYSICS 4 sh

This course provides an introduction to the major ideas in both Classical and Modern Physics. Students will be introduced to experiments of the ancient Greeks, Renaissance Scholars and Classical Natural Philosophers. The formulation of gravitational and mechanical theories, thermodynamics, the particle nature of matter, and aspects of elementary electromagnetism will be included. Twentieth century perspectives including the theory of relativity, quantum mechanics and chaos will be studied. Laboratory included.

PHY 102. INTRODUCTION TO ASTRONOMY 4 sh

Astronomy examines the nature of light, astronomical instruments and our attempts to understand the origin of our solar system and its constituents: the Sun, the planets, asteroids, comets, and meteors. Laboratory included. Offered fall and spring.

PHY 103. INTRODUCTION TO GEOLOGY 4 sh

This geology course includes a study of the nature and origin of rocks and minerals, evolution of the landscape, plate tectonics, coastal dynamics and geologic time. Laboratory included. Offered fall and spring.

PHY 110. ENERGY AND THE ENVIRONMENT 4 sh

This course provides an introduction to energy concepts and the basic modes of energy production and use, focusing on environmental problems that are a consequence of such activities. Laboratory included.

PHY 111, 112. GENERAL PHYSICS I AND II (each semester) 4 sh

Designed for students majoring in the biological and/or health-related sciences, this survey of classical and modern physics includes mechanics, waves, heat, electricity, magnetism,

optics, and atomic and nuclear physics. Labs included. Prerequisite: MTH 111 or placement exemption. PHY 111 offered fall; PHY 112 offered spring.

PHY 113, 114. GENERAL PHYSICS I AND II WITH CALCULUS

(each semester) 4 sh

This survey of topics in classical physics is designed for students majoring in math, physics or chemistry, or planning to transfer into an engineering program. Topics include kinematics, dynamics, thermodynamics, electrostatics, electrodynamics and waves. Labs included. Corequisite: MTH 121. PHY 113 offered spring; PHY 114 offered fall.

PHY 213. INTRODUCTION TO MODERN PHYSICS 4 sh

A continuation of 113 and 114, this course provides further study of wave dynamics, special relativity, early quantum mechanics, wave mechanics and an introduction to solid state and nuclear physics. Laboratory included. Prerequisite: MTH 221. Offered spring.

PHY 301. CLASSICAL MECHANICS AND DYNAMICAL SYSTEMS 4 sh

In this introduction to Lagrangian and Hamiltonian treatments of classical mechanics students explore variational principles, conservation laws, contemporary approaches to dynamical systems and topics in chaos theory. Laboratory included. Prerequisite: PHY 114. Offered fall of alternate years.

PHY 302. STATISTICAL MECHANICS AND THERMODYNAMICS 4 sh

Study covers statistical methods, the concept of the ensemble and statistical averages and explore thermodynamics using a theoretical progression from statistical analysis to thermodynamic variables. In depth studies include conservation laws and thermodynamical variables such as entropy and free energy. Laboratory included. Prerequisite: PHY 301.

PHY 305. STELLAR ASTRONOMY 4 sh

Stellar astronomy involves study of the universe beyond the solar system, including stars, clusters, stellar evolution, variable stars, Milky Way and other galaxies, quasars and cosmological models. Satisfies non laboratory General Studies requirement. Prerequisite: MTH 111 or higher. Offered fall.

PHY 311. CLASSICAL ELECTRODYNAMICS 4 sh

Classical electrodynamics involves the study of electrostatics (including image methods and electric fields in the presence of dielectric media), vector analysis, continuity conditions for field quantities at interfaces and magnetism and magnetostatics. Laboratory included. Prerequisite: PHY 213. Offered spring of alternate years.

PHY 312. ELECTRICITY, MAGNETISM AND FIELD THEORY 4 sh

This course includes Maxwell's equations and continuation of electrodynamics and explores the natural connection of field theory and electrodynamics and basic mathematical tools, including tensor analysis. By experiments and numerical simulation, students investigate electromagnetic radiation and fields. Laboratory included. Prerequisite: PHY 311. Offered fall of alternate years.

PHY 411. QUANTUM MECHANICS 4 sh

Study of quantum mechanics includes basic mathematical underpinnings of quantum formalisms and treats several basic problems, including Hydrogen-like

atoms and lasers, in depth. Laboratory included. Prerequisite: PHY 301. Offered spring of alternate years.

PHY 412. RELATIVITY AND COSMOLOGY 4 sh

This course begins by examining fundamentally electrodynamical problems out of which special relativity was born. Students read Einstein's original paper and study the classical paradoxes in depth. Discussion of cosmological problems includes black holes, galactic red shift and early universe theory. Some aspects of the general theory of relativity are also introduced. Prerequisites: PHY 311 and 312.

PHY 471. SPECIAL TOPICS IN PHYSICS 4 sh

These contemporary topics include, but are not limited to, chaos theory and nonlinear dynamics, solid state and condensed matter physics, optics, advanced quantum mechanics, and particle physics. Prerequisite: permission of the instructor.

PHY 499. RESEARCH 1 sh

This semester-long supervised research project involves experimental, numerical or theoretical investigation of a single problem, culminating in a detailed report describing the methods, results and analysis performed, including a "publication style" abstract of the research. Senior majors only. Offered fall, winter and spring.

POLITICAL SCIENCE

Chair, Department of Political Science and Public Administration:

Professor C. Brumbaugh

Professors: Taylor, Zarzar

Associate Professor: Anderson

Assistant Professor: Helvey

Instructor: Morgan

Adjunct Instructors: Colbert, Craig

204

Political Science seeks to understand the ideas, individuals and institutions engaged in making public policies that influence the lives of people in communities ranging from local to global. Courses investigate current issues and opinions, the process by which voters or leaders make decisions, the behavior of organized groups and governmental agencies, the relationships between nations and classic questions of how societies balance freedom, social justice, order and efficiency.

Students in this discipline are encouraged to: develop critical reading, writing and research skills (often using computer programs); participate in role-playing simulations of local governments, legislatures, the United Nations and international relations; work as interns at the local and state level in government agencies, election campaigns and law firms; and spend a semester in Washington, D.C., working in executive and judicial agencies, the U.S. Congress, interest groups and international organizations.

The department offers majors in Political Science and Public Administration as well as minors in these fields. Students can concentrate their course work in one or more sub-fields: American Government, International Relations, Comparative Politics, Public Administration and Political Theory. These programs help prepare students to enter graduate and law school, and pursue a wide range of careers in legislative, executive and judicial agencies, business, teaching, journalism, interest group advocacy, campaign management and international public service.

A major in Political Science requires the following courses:

POL 111	American Government	4 sh
POL 461	Senior Seminar in Political Science	4 sh
SSC 285	Research Methods	4 sh
One course chosen from the following:		4 sh
POL 241	International Relations	
POL 261	Comparative Politics	
One course selected from the following:		4 sh
POL 300	Introduction to Political Thought	
POL 301	Modern Political Thought	
POL 303	Democratic Theory	
One course selected from the following:		4 sh
ECO 201	Principles of Economics	
GEO 131	The World's Regions	
HST 121	United States History through 1865	
HST 122	United States History since 1865	
HST 221	The World in the Twentieth Century	
Twenty additional hours in Political Science		20 sh
TOTAL		44 sh

A minor in Political Science requires the following:

POL 111	American Government	4 sh
	Sixteen semester hours in Political Science	16 sh
TOTAL		20 sh

POL 111. AMERICAN GOVERNMENT 4 sh

American Government serves as an introduction to the national political system, including the legislative, executive and judicial branches, the Constitution, political parties, interest groups, public opinion and public policy issues. Offered fall and spring.

POL 112. NORTH CAROLINA STUDENT LEGISLATURE 1 sh

This is an experiential course which promotes active participation in the NCSL, debate of public issues and organizational involvement at the college and state-wide level. Offered fall and spring.

POL 114. MODEL UNITED NATIONS 1 sh

Through experiential learning activities, students gain insight into the workings of the United Nations, diplomacy and international politics. Offered fall and spring.

POL 222. STATE AND LOCAL GOVERNMENT AND POLITICS 4 sh

This study focuses on the structure and functioning of the state and local government and their roles within the American federal system. Offered fall

POL 231. INTRODUCTION TO PUBLIC ADMINISTRATION 4 sh

(Same course as PUB 231. See PUB 231 for description.) Offered spring.

POL 241. INTERNATIONAL RELATIONS 4 sh

International relations gives students a basic appreciation for our world and examines political issues, such as the role of power and international law in the international system and economic, social and cultural features of the world. Offered fall.

POL 261. COMPARATIVE POLITICS 4 sh

This introduction to the central concepts of comparative politics and to the major types of contemporary political systems may include Britain, Germany, Japan, Africa, China, Mexico and the post-Soviet independent states of Eurasia. Offered spring.

POL 300. INTRODUCTION TO POLITICAL THOUGHT 4 sh

In a critical introduction to the great political thinkers, discussion spans from Plato to Rousseau. Offered spring of odd-numbered years.

POL 301. MODERN POLITICAL THOUGHT 4 sh

Modern political thought provides a critical introduction to and analysis of great political thinkers from Marx to Marcuse.

POL 303. DEMOCRATIC THEORY 4 sh

Democratic theory examines conceptions, models and themes of democracy around the world using a comparative approach, with special emphasis on models of democracy as they developed in the U.S.

POL 323. CONSTITUTIONAL LAW I 2 sh

Using a case study approach, this course focuses on American Constitutional structures: separation of powers, judicial review, and federalism. Prerequisite: POL 111. Offered fall.

POL 324. CONSTITUTIONAL LAW II 2 sh

Continuing the case study examination begun in POL 323, the focus of this course is on individual rights guaranteed by American Constitutional structures: civil rights and civil liberties. Prerequisite: POL 111. Offered spring.

POL 325. THE PRESIDENCY 4 sh

A study of the contemporary presidency emphasizes the organization of the office, its relationship to other structures in American politics and its role in the policy-making process. Offered spring of odd-numbered years.

POL 326. THE CONGRESS 4 sh

Topics of study cover the policy-making process in Congress, focusing on party leadership, the committee system and the relationship between the Congress and the presidency, interest groups and the executive branch. Discussion also includes congressional reform proposals. Offered fall of odd-numbered years.

POL 328. PUBLIC POLICY 4 sh

(Same course as PUB 328. See PUB 328 for description.) Offered fall.

POL 329. POLITICAL BEHAVIOR 4 sh

This course focuses on political life from a micro perspective by examining how political attitudes and behavior are learned and affect our political choices, especially in regard to political socialization and electoral behavior.

POL 342. U.S. FOREIGN POLICY SINCE 1939 4 sh

Study covers the foreign relations, foreign policy and international politics of the United States since 1939. Offered spring of even-numbered years.

POL 343. INTERNATIONAL LAW AND ORGANIZATION 4 sh

This course focuses on the role of international law and organizations in determining patterns of international behavior, with special attention to the United Nations. Offered fall of even-numbered years.

POL 359. POLITICAL COMMUNICATION 4 sh

This examination of political communications processes uses a comparative perspective and emphasizes the role of media in the U.S., Europe, Eurasia and developing countries.

POL 363. POLITICS OF ASIA 4 sh

In this exploration of the politics of Asia after World War II, study analyzes political and economic processes in the cases of Japan, China and newly industrializing countries, among others.

POL 364. POLITICS OF EUROPE 4 sh

This course explores the politics of East and West Europe since World War I.

POL 365. POLITICS OF EURASIA 4 sh

Politics of Eurasia analyzes the rise and fall of the Soviet Union as a political entity and studies the newly independent countries of the former Soviet Union in some depth.

POL 366. MIDDLE EAST POLITICS 4 sh

A study of Middle Eastern political dynamics and institutions considers contemporary issues and problems of selected Middle Eastern and North African countries.

POL 367. POLITICS OF AFRICA 4 sh

Study centers around nation-building and major factors influencing contemporary politics in selected African states. Discussion emphasizes the legacy of colonialism/independence struggles; the importance of traditional loyalties; the political/social/economic origins of conflict/coalitions/coups; the problems of political participation; institutionalization/control; the destabilizing influences of class/ethnic/elitist/racial differences; and the position of African states in the world order. Offered fall of odd-numbered years.

POL 368. LATIN AMERICAN POLITICS 4 sh

Central America and Mexico receive emphasis in this study of the political dynamics, governmental structures and contemporary issues of selected countries of Latin America.

POL 371. TOPICS IN POLITICAL SCIENCE 4 sh

This advanced course explores significant contemporary issues or developments within the discipline. Prerequisite: POL 111 or permission of the instructor.

**POL 375. POLITICAL SCIENCE
IN LONDON** 4 sh

**POL 376. WASHINGTON CENTER
SEMINAR** 1-3 sh

Students learn first-hand from speakers, on-site visits and other experiential opportunities in Washington, D.C., and other locations through the Washington Center. Course requirements include readings, writing assignments and collaborative work dealing with leadership, foreign policy, partisan politics or other topics. Prerequisite: Permission of department. Offered winter and summer.

POL 420. CAMPAIGN WORKSHOP 4 sh

This course provides a practical study of how to run an election campaign, with attention to setting up, staffing and financing a campaign office, organizing events, media relations, campaign technology, polling, advertising and getting out the vote. Students must spend significant time as an intern for a candidate or a political party of their choice and then reflect on their experience. Normally offered fall semester of election years. Prerequisite: POL 111 and an additional course in American politics, or permission of instructor. Offered fall of even-numbered years.

**POL 428. ENVIRONMENTAL POLITICS
AND NATURAL RESOURCE
LEGISLATION** 4 sh

This course explores the legislative process as it relates to the development of environmental law and policy, with emphasis on the manner in which environmental issues are addressed by political processes. The course surveys the dynamics of international cooperation on global environmental problems and enables students to become familiar with landmark environmental legislation in the U.S. Prerequisite: POL 111 or permission of instructor. Offered spring of odd-numbered years.

**POL 431. POLICY ANALYSIS AND
PROGRAM EVALUATION** 4 sh

(Same course as PUB 431. See PUB 431 for description.) Offered spring.

POL 433. TOPICS IN URBAN POLITICS 4 sh

(Same course as POL 433. See POL 433 for description.)

**POL 461. SENIOR SEMINAR IN
POLITICAL SCIENCE** 4 sh

The capstone experience for senior political science majors involves close review of the discipline's conceptual approaches to the study of political behavior and ideas, discussion and development of research strategies. Students must also present a work of original scholarship. Prerequisite: senior majors only. Offered fall and spring.

**POL 481. INTERNSHIP IN
POLITICAL SCIENCE** 1-4 sh

The internship provides work experience in a partisan, nonprofit business, governmental or legal setting and requires students to establish experiential goals and to reflect on the learning experience. Offered on an individual basis when suitable opportunities can be arranged. Prerequisite: POL 111, an additional course in Political Science and permission of department.

**POL 485. WASHINGTON INTERNSHIP
IN POLITICAL SCIENCE** 1-12 sh

In this work experience in a partisan, nonprofit business, governmental or legal setting in the Washington, D.C., area, students must establish experiential goals and reflect on the learning experience. Offered on an individual basis when suitable opportunities can be arranged. Prerequisite: POL 111, an additional course in Political Science and permission of the department.

PSYCHOLOGY

Chair, Department of Psychology: Associate Professor Pickens

Professor: Granowsky

Associate Professors: Fromson, Higgs, McClearn,

Assistant Professors: Green, King, Levesque, Vandermaas-Peeler

The psychology major at Elon College presents the principles, methods and research findings of the field of psychology. Students in the major learn and practice sound research methods and are given many opportunities for exploring the breadth of the content areas in psychology. In each psychology course, students are involved in writing and speaking in the discipline. Interested students may engage in internship experiences in industrial/organizational settings, group homes, social service agencies, psychiatric wards and special education placements.

Students with a Bachelor's degree in psychology have many career options. Some students enter fields such as law enforcement, court counseling, daycare, group home counseling, YMCA program work, personnel and entry level positions in mental health. Others opt to go on to graduate school in a variety of programs, including: clinical, counseling or school psychology; social work; special education; law and many others. Psychology majors receive both a liberal arts education and practice in the skills of research, professional writing and speaking, and are therefore prepared for a variety of careers.

A major in Psychology requires the following courses:

PSY 111	General Psychology	4 sh
PSY 201	Research Methods I	4 sh
PSY 202	Research Methods II	4 sh
PSY 461	Senior Seminar	4 sh
Two courses chosen from the following:		8 sh
PSY 212	Learning and Memory	
PSY 221	Biological Bases of Behavior	
PSY 233	Life-Span Human Development	
Two courses chosen from the following:		8 sh
PSY 312	Cognitive Psychology	
PSY 323	Social Psychology	
PSY 343	Psychology of Personality and Individual Differences	
Twelve additional semester hours in Psychology		12 sh
TOTAL		44 sh

A minor in Psychology requires the following courses:

PSY 111	General Psychology	4 sh
PSY 201	Research Methods I	4 sh
Twelve semester hours of Psychology electives		12 sh
TOTAL		20 sh

PSY 111. GENERAL PSYCHOLOGY 4 sh

General psychology surveys central topics in the field, including research methodology, learning and memory

processes, social psychology, psychological disorders and personality. Offered fall and spring.

PSY 201. RESEARCH METHODS I 4 sh

Students begin learning how to conduct and report psychological research. Study focuses on how to frame psychological questions, how to answer them using research designs and complementary data analysis techniques and the basics of writing research reports. Prerequisite: PSY 111. Offered fall and spring.

PSY 202. RESEARCH METHODS II 4 sh

Exploration continues with more complex research designs and data analysis techniques, giving in-depth attention to the written and oral presentation of research findings. Prerequisite: PSY 111, PSY 201. Offered fall and spring.

PSY 212. LEARNING & MEMORY 4 sh

Learning and memory addresses models of knowledge acquisition (including classical and operant conditioning and cognitive processes), encoding and storage of information, memory retrieval and forgetting. Prerequisite: PSY 111. Offered fall or spring.

PSY 221. BIOLOGICAL BASES OF BEHAVIOR 4 sh

This course explores the biological foundations of such psychological processes as learning and memory, movement, sleep and emotions, as well as such abnormal conditions as schizophrenia and depression. Prerequisite: PSY 111. Offered fall or spring.

PSY 233. LIFE-SPAN HUMAN DEVELOPMENT 4 sh

An exploration of human development across the entire life-span includes consideration of cognitive, social and emotional development as a complex interaction between individuals and their social and cultural environments. Prerequisite: PSY 111. Offered fall or spring.

PSY 312. COGNITIVE PSYCHOLOGY 4 sh

Cognitive psychology studies how humans represent and process information about the environment in their role

as thinkers, planners, language users and problem solvers. Prerequisite: PSY 111 & PSY 201. Offered fall or spring.

PSY 315. PSYCHOLOGY OF SEX AND GENDER 4 sh

This course focuses on the psychology of sex and gender from a feminist perspective and is organized around four themes: gender as a social construction, the importance of language and the power to name, class and cultural diversity, and knowledge as a source of social change.

PSY 321. EDUCATIONAL PSYCHOLOGY 4 sh

Students gain an overview of research and theory in educational psychology and explore their applications to teaching and learning. Prerequisite: PSY 111 or EDU 211. Offered fall and spring.

PSY 323. SOCIAL PSYCHOLOGY 4 sh

Topics in social psychology explore how people think about, influence and relate to one another, including affiliation, aggression, altruism, attitude formation and change, attribution, compliance, conformity and persuasion. Prerequisite: PSY 111 and PSY 201. Offered fall or spring.

PSY 332. PSYCHOLOGY OF EXCEPTIONALITY 4 sh

Students learn the measures and procedures used to evaluate exceptional children and techniques for educational intervention and remediation as they study the origins, symptoms and characteristics of exceptional children. Study covers those children who are emotionally, physically or mentally disabled, as well as those who are gifted and talented. Prerequisite: PSY 111.

PSY 333. ABNORMAL BEHAVIOR 4 sh

In this overview of major psychological disturbances (anxiety, affective, personality, sexual and schizophrenic disorders), students examine the role of different theories, diagnostic tests and procedures in understanding illness and

learn the basics of therapeutic interventions. Prerequisite: PSY 111.

PSY 343. PSYCHOLOGY OF PERSONALITY AND INDIVIDUAL DIFFERENCES 4 sh

This course covers major modern perspectives in personality psychology, including: dispositional, biological, psychodynamic, self and social-cognitive theories. Students are also introduced to issues and techniques of personality testing and assessment. Prerequisite: PSY 111 and PSY 201. Offered fall or spring.

PSY 355. HUMAN PERCEPTION 4 sh

Study in human perception includes research and theory on the structural and functional characteristics of various perceptual systems, on perceptual phenomena such as depth and color perception, and on other related topics. Prerequisite: PSY 111.

PSY 356. HEALTH PSYCHOLOGY 4 sh

This course focuses upon the role of psychology in a variety of medical issues: health-enhancing and health-compromising behaviors, stress and illness, patient-practitioner relationships, pain and other chronic conditions. The growing field of health psychology is explored as both an area of research and a clinical profession. Prerequisite: PSY 111.

PSY 357. CRIMINAL BEHAVIOR 4 sh

This course focuses primarily on the causes of crime, the criminal mind, and the resulting social and personal costs of crime. Also addressed are various aspects of the criminal justice system, including the relevance of psychology to courtroom proceedings. Although many types of crime are explored, emphasis is placed on violent crime.

PSY 361. ANIMAL BEHAVIOR 4 sh

An investigation of animal behavior takes into account physiology, development, evolution and adaptation. Studies emphasize specialized structures and abilities which may or may not be present in humans and which confer

selective advantages upon their possessors. Prerequisite: PSY 111.

PSY 363. INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY 4 sh

Psychological applications in the workplace are the focus of this course. Topics include personnel selection, leadership and motivation, job satisfaction and work performance. Prerequisite: PSY 111.

PSY 366. PSYCHOLOGY IN CULTURAL CONTEXT 4 sh

Issues in the related fields of cultural and cross-cultural psychology are considered in depth as students investigate basic psychological processes [e.g., motivation, cognition, emotion] in the context of how cultural world views and implicit value assumptions influence the development and functioning of human behavior and social interaction. Prerequisite: PSY 111.

PSY 371. SPECIAL TOPICS IN PSYCHOLOGY 4 sh

PSY 391. INDEPENDENT STUDY 1-4 sh

Prerequisite: junior/senior status and permission of instructor.

PSY 461. SENIOR SEMINAR 4 sh

Each seminar focuses on a particular topic (motivation, aggression, expert performance, social cognition, etc.) and students become familiar with its theoretical perspectives. Working as a research team under faculty direction, students devise, implement and report an original empirical investigation of a question related to the selected area of concern. Prerequisites: PSY 202 and senior status in the major. Offered fall and spring.

PSY 481. INTERNSHIP IN PSYCHOLOGY 1-4 sh

Upper-level majors apply psychological theories and techniques to actual experiences in the field. Maximum 4 sh toward major. Prerequisite: majors only with faculty approval.

PSY 491. INDEPENDENT STUDY 1-4 sh

Prerequisite: senior status and permission of the instructor.

PSY 499. RESEARCH 1-4 sh

In collaboration with a psychology faculty member, students undertake an empirical or theoretical study of a topic in psychology. Research projects may include a review of the relevant research literature, data collection and analysis, and a

presentation or report when the study is completed. Prerequisite: PSY 111, 201 and permission of instructor. A completed research proposal form completed by the student in conjunction with the faculty member is required for registration. Students may register for 1-4 hours of credit per semester and may register for more than one semester of research for a total of 8 hours of research credit toward the major. Offered fall, winter and spring.

211**PUBLIC ADMINISTRATION**

Chair, Department of Political Science and Public Administration:

Professor C. Brumbaugh

Professor: Taylor

Associate Professor: Anderson

Instructor: Morgan

Adjunct Instructor: Colbert

The Public Administration major prepares students interested in pursuing graduate education and careers in governmental or non-profit service agencies. Courses in the major include the study of the management functions in public agencies, governmental structures and processes, techniques used in evaluation process and emphasizes field experience including internships and course-linked service learning. Students develop technical competencies and theoretical understandings from courses relevant to Public Administration from other disciplines as well.

As a major within the Political Science Department, the Public Administration curriculum emphasizes the development of the student's understanding of the ideas, individuals and institutions engaged in making public policies and administering public organizations and the influence these activities have in the lives of people in the community and the nation. Courses investigate current issues and opinions, the process by which groups and governmental agencies, and the classic questions of how societies balance freedom, social justice order and efficiency. The study is particularly concerned with how the public administration practitioner balances the twin priorities of political responsiveness and politically neutral professional competence. The department offers majors in Political Science and Public Administration as well as minors in each field.

A major in Public Administration requires the following courses:

PUB 231	Introduction to Public Administration	4 sh
PUB 328	Public Policy	4 sh
PUB 431	Policy Analysis and Program Evaluation	4 sh
PUB 461	Seminar in Public Administration	4 sh
POL 111	American Government	4 sh
POL 222	State and Local Government and Politics	4 sh
SSC 285	Research Methods	4 sh

ACC 201	Principles of Financial Accounting	4 sh
ECO 201	Principles of Economics	4 sh
Twelve hours selected from the following courses:		12 sh
CIS 116	Microcomputer Applications	
ECO 332	Public Finance	
ECO 413	Labor Economics	
BUS 303	Introduction to Managing or	
BUS 323	Principles of Management	
BUS 425	Personnel Administration	
LSM 327	Leisure/Sport Programming	
LSM 425	Leisure and the Environment	
POL 325	The Presidency	
POL 326	The Congress	
POL 420	Campaign Workshop	
Any other Public Administration course		

TOTAL	48 sh
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A minor in Public Administration requires the following courses:

PUB 231	Introduction to Public Administration	4 sh
PUB 431	Policy Analysis and Program Evaluation	4 sh
POL 111	American Government	4 sh
SSC 285	Research Methods	4 sh
Four semester hours from the following courses:		4 sh

POL 222	State and Local Government
POL 325	The Presidency
POL 326	The Congress
BUS 303	Introduction to Managing
BUS 323	Principles of Management
BUS 425	Personnel Administration

TOTAL	20 sh
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PUB 231. INTRODUCTION TO PUBLIC ADMINISTRATION 4 sh

This course introduces the student to the complexities of administering government activities and emphasizes the basic principles of organizations, decision-making, fiscal management, personnel management and other forms of action in the public sector. Offered spring.

PUB 328. PUBLIC POLICY 4 sh

This study of public policy making emphasizes policy content and focuses on the stages and options in the process, especially the complex

relationships between the branches and levels of government within the structure of federalism. Students trace the development of selected public policy positions and focus on options available to contemporary decision makers. Offered fall.

PUB 428. ENVIRONMENTAL POLITICS AND NATURAL RESOURCE LEGISLATION 4 sh

(Same course as POL 428. see POL 428 for description.) Offered spring of odd-numbered years.

PUB 431. POLICY ANALYSIS AND PROGRAM EVALUATION 4 sh

Two aspects of the public policy process are covered in this course. Policy analysis focuses on the formulation stage of the policy and attempts to isolate both the intended and many unintended effects. Program evaluation determines the degree to which a program is meeting its objectives and considers problems and side effects. Prerequisite: POL 111 or permission of instructor. Offered spring.

PUB 433. TOPICS IN URBAN POLITICS 4 sh

Advanced study in areas of the urban politics field centers on varying topics to be decided by the instructor. Selections might include urban management, urban public policy, urban problems, etc. Prerequisite: POL 222 or permission of instructor.

PUB 461. SEMINAR IN PUBLIC ADMINISTRATION 4 sh

The capstone experience for senior public administration majors involves review of the discipline's conceptual approaches and ideas, discussion and development of research strategies. Students must present a work of original scholarship. Prerequisite: senior majors only. Offered fall and spring.

PUB 481. INTERNSHIP IN PUBLIC ADMINISTRATION 1-4 sh

Work experience in a nonprofit, business, governmental or legal setting requires students to establish experiential goals and to reflect on the learning experience. Internships are offered on an individual basis when suitable opportunities can be arranged. Prerequisite: PUB 211, an additional PUB/POL course and permission of the instructor.

PUB 491. INDEPENDENT STUDY 1-4 sh**213****RELIGIOUS STUDIES**

Chair, Department of Religious Studies: Professor Wilson

Professors: Chase, Pace, Pugh

Associate Professor: Chakrabarti

Assistant Professor: McBride

Religious studies courses and the religious studies major and minor are designed to help students learn about one of the most basic and universal aspects of human existence. Knowing about religion helps us all to better understand ourselves and the beliefs of others.

The series of courses required for the major gives students a taste of three major subdivisions within the discipline of religion. The members of the religious studies faculty seek to foster in students a love of learning, informed values and a spirit of tolerance. In keeping with Elon's liberal arts objectives, the program and the faculty also seek to develop the students' ability to think critically and communicate effectively, both in the discipline and in other areas of life.

A major in Religious Studies requires the following courses:

REL 111	Introduction to the Old Testament	4 sh or
REL 112	Introduction to the New Testament	4 sh
REL 121	World Religions	4 sh
REL 134	Introduction to Religious Studies	4 sh
REL 492	Senior Seminar	2 sh

An additional 6 courses, five at the 300-400 level

24 sh

1 course in Biblical Studies

1 course in Eastern and Islamic Studies

1 course in Theological and Ethical Studies

3 electives

(Greek 110, 210 are recommended for all Religious Studies majors and Greek 310 may be substituted for a Religious Studies course in the Biblical Studies area.)

TOTAL**38 sh**

A minor in Religious Studies requires the following courses: Eight semester hours of Religious Studies at the junior/senior levels, twelve semester hours of Religious Studies courses at any level. Courses must be taken from at least 2 major areas.

TOTAL**20 sh****REL 111. INTRODUCTION TO
THE OLD TESTAMENT**

4 sh

Students are introduced to the history, literature and religion of the Israelite people in context of ancient Near Eastern culture.

**REL 112. INTRODUCTION TO
THE NEW TESTAMENT**

4 sh

New Testament studies the rise and development of Christianity and its literature.

REL 121. WORLD RELIGIONS

4 sh

The origin, historical development and beliefs of selected religious traditions are the focus of this course.

**REL 134. INTRODUCTION TO
RELIGIOUS STUDIES**

4 sh

Religious Studies considers the human religious experience and its impact throughout history and in the contemporary world.

**REL 181. INTERNSHIP IN
RELIGIOUS STUDIES**

1 sh

An optional internship may occasionally be offered in conjunction with "Introduction to Religious Studies."

**REL 251. RELIGIOUS STUDIES
ABROAD**

4 sh

Religious study tours are offered to England, India and/or the Middle East (Israel, Egypt and Jordan). Winter Term only.

BIBLICAL STUDIES**REL 321. ARCHAEOLOGY OF THE
ANCIENT NEAR EAST**

4 sh

This study surveys major archeological research as it relates to the Near East, with particular emphasis on Egypt, Palestine and Mesopotamia.

REL 322. OLD TESTAMENT PROPHETS

4 sh

The background, personal characteristics, function, message and present significance of the Hebrew prophets is the focus of this course.

REL 324. JOB

4 sh

Study of the Old Testament Book of Job includes its contents, literary structure, impact on modern literature and drama and its message about senseless tragedy for today's world.

**REL 325. REVELATION AND OTHER
APOCALYPTIC LITERATURE**

4 sh

The course examines the origins of apocalyptic thought in early Jewish and Christian history. While half of the course is a very close and detailed reading of Revelation, some Old Testament and intertestamental apocalyptic literature is also read.

REL 326. LIFE AND THOUGHT OF PAUL

4 sh

This study analyzes major motifs of Paul's theology by interpreting his New Testament writings.

REL 329. JESUS AND THE GOSPELS 4 sh

The course is a close reading and comparison of Matthew, Mark, and Luke in parallel columns, along with the non-canonical Gospel of Thomas. John will be read separately toward the end of the course.

THEOLOGICAL AND ETHICAL STUDIES**REL 334. MODERN RELIGIOUS THINKERS** 4 sh

Course study consists of an examination of the theologies of selected major thinkers in the Judeo-Christian tradition.

REL 336. LIFE AND THOUGHT OF THE CHRISTIAN CHURCH 4 sh

This course considers the influence of Christianity in a sociocultural and theological perspective and examines church personalities, controversies and decisions from Jewish antecedents to the present day.

REL 338. CONTEMPORARY THEOLOGY 4 sh

Beginning with background in historical theology, the class will study different theological perspectives and developments of the modern world.

REL 341. CHRISTIAN ETHICS 4 sh

Special attention is given to analyzing selected personal and social ethical issues in a systematic and biblically based study of the types and principles of Christian ethical theory.

REL 345. A THEOLOGY OF HUMAN LIBERATION 4 sh

This study analyzes contemporary types of liberation theology — Third World liberation, Black liberation, women's liberation — through studying significant representative writings and biographies.

REL 347. WOMEN AND RELIGION 4 sh

The course considers the influence of religion on women in home, church and society through the years and the impact of women past and present on religion, religious thinking and religious institutions.

REL 348. ENVIRONMENTAL ETHICS 4 sh

In an exploration of the moral dimensions of the environmental crisis, students examine the roles which religious and philosophical ethics play in providing frameworks for understanding environmental issues and developing guidelines for addressing specific contemporary problems. (REL 348 is the same course as PHL 348.)

REL 355. PHILOSOPHY OF RELIGION 4 sh

(Same course as PHL 355. See PHL 355 for description.)

EASTERN AND ISLAMIC STUDIES**REL 353. BUDDHISM** 4 sh

This course gives students a critical understanding of basic concepts and doctrines of Buddhism, considering the similarities and contrasts between different major schools of Buddhism as well as Buddhism's relationship to Taoism and Confucianism.

REL 356. HINDUISM 4 sh

This study of the history, scripture, and beliefs of this major religion of India includes topics such as the doctrine of creation, karma, reincarnation and the problem of evil.

REL 357. ISLAM 4 sh

Study of the history, scripture and beliefs of Islam gives attention to Islam as an influential force in the contemporary world.

SPECIAL COURSES**REL 365. LITERATURE AND THEOLOGY** 4 sh

(Same course as ENG 365. See ENG 365 for description.)

REL 380. RELIGION IN CONTEMPORARY BRITAIN 4 sh

The focus of this travel course centers on a study of the beliefs and practices of various faith communities in a multi-cultural and plural society, specifically modern-day Britain.

REL 471. SEMINAR: SPECIAL TOPICS 1-4 sh**REL 481. INTERNSHIP IN RELIGIOUS STUDIES** 1-4 sh

This course provides opportunities for upper-level students to apply concepts and information gained in the religious studies classroom to actual experiences in local community and church agencies or as teaching assistants in freshman level classes. Max. 4 sh toward major. Prerequisite: junior/senior majors only, faculty approval.

REL 491. INDEPENDENT STUDY 1-4 sh

Upper-class majors (or others by instructor consent) may complete individual study in an area of special interest with the guidance of a member of the department. Max. 6 sh credit.

REL 492. SENIOR SEMINAR 2 sh

In this capstone course, the student and the department evaluate performance over the student's past years of study. Required of all majors during senior year.

216

SCIENCE EDUCATION

Coordinator: Associate Professor Agnew

The Departments of Biology, Chemistry, and Physics in cooperation with the Department of Education offer programs leading to the Bachelor of Arts in Science Education with Secondary Science Comprehensive Certification and with Secondary Science Certification in the areas of Biology, Chemistry, and Physics.

The Bachelor of Arts degree with Secondary Science Comprehensive Certification requires the following courses:

Professional Studies Courses in Education, Psychology, and Information Systems	35 sh
PHY 102 Astronomy	4 sh
PHY 103 Geology	4 sh
All courses in one of the concentrations listed below	40 sh
Eight semester hours in science courses from each of the other two listed areas	4-16 sh
TOTAL	87-99 sh

Concentrations

Biology concentration:

BIO 111 Introductory Cell Biology	3 sh
BIO 112 Introductory Population Biology	3 sh
BIO 113 Cell Biology Lab	1 sh
BIO 114 Population Biology Lab	1 sh
BIO 221 Zoology	4 sh
BIO 222 Botany	4 sh
BIO 322 Molecular/Cellular Biology	4 sh
CHM 111 General Chemistry I	3 sh
CHM 112 General Chemistry II	3 sh
CHM 113 General Chemistry I Lab	1 sh

CHM 114	General Chemistry II Lab	1 sh
CHM 211	Organic Chemistry I	3 sh
CHM 213	Organic Chemistry I Lab	1 sh
Select one course from:		4 sh

BIO 312	Comparative Vertebrate Anatomy
BIO 321	Microbiology
BIO 325	Human Histology
BIO 335	Field Biology
BIO 341	Animal Physiology
BIO 342	Plant Physiology
BIO 452	General Ecology

Select one course from:	4 sh
CHM 212&214 Organic Chemistry II & Lab	
CHM 232 Chemical Separations	
CHM 332&333 Physical Chemistry I & Lab	

TOTAL	40 sh
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Chemistry concentration:

CHM 111	General Chemistry I	3 sh
CHM 112	General Chemistry II	3 sh
CHM 113	General Chemistry I Lab	1 sh
CHM 114	General Chemistry II Lab	1 sh
CHM 211	Organic Chemistry I	3 sh
CHM 212	Organic Chemistry II	3 sh
CHM 213	Organic Chemistry I Lab	1 sh
CHM 214	Organic Chemistry II Lab	1 sh
CHM 232	Principles of Chemical Separation	4 sh or
CHM 311	Quantitative Analysis	4 sh
CHM 332	Physical Chemistry I	3 sh
CHM 333	Physical Chemistry I Lab	1 sh
BIO 111	Introductory Cell Biology	3 sh
BIO 113	Introductory Cell Biology Lab	1 sh
PHY 113	General Physics W/Calculus I	4 sh
PHY 114	General Physics W/Calculus II	4 sh
(Physics 111 and 112 may be substituted for Physics 113 and 114)		
MTH 121	Calculus and Analytic Geometry I	4 sh

TOTAL	40 sh
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Physics concentration:

PHY 113	General Physics W/Calculus I	4 sh
PHY 114	General Physics W/Calculus II	4 sh

(Physics 111 and 112 may be selected to satisfy 8 sh in Physics for Biology or Chemistry concentration.)

PHY 213	Modern Physics	4 sh
PHY 301	Classical Mechanics and Dynamical Systems	4 sh
PHY 311	Classical Electrodynamics	4 sh
PHY 312	Electricity, Magnetism, and Field Theory	4 sh
MTH 115	College Algebra and Elementary Functions	4 sh
MTH 121	Calculus and Analytic Geometry I	4 sh
MTH 221	Calculus and Analytic Geometry II	4 sh
MTH 321	Calculus and Analytic Geometry III	4 sh
TOTAL		40 sh

218

Secondary Science Certification

The Bachelor of Arts degree with Secondary Science Certification requires the following courses:

Professional Studies Courses in Education and Psychology	35 sh
PHY 102 Astronomy	4 sh
PHY 103 Geology	4 sh
All courses in one of the concentrations listed below	40 sh
Twelve semester hours in science courses from one of the other two listed areas	0-12 sh
TOTAL	83-95 sh

Concentrations

Biology concentration:

BIO 111	Introductory Cell Biology	3 sh
BIO 112	Introductory Population Biology	3 sh
BIO 113	Cell Biology Lab	1 sh
BIO 114	Population Biology Lab	1 sh
BIO 221	Zoology	4 sh
BIO 222	Botany	4 sh
BIO 322	Molecular/Cellular Biology	4 sh

Select one course from: 4 sh

BIO 312	Comparative Vertebrate Anatomy	
BIO 321	Microbiology	
BIO 325	Human Histology	
BIO 335	Field Biology	
BIO 341	Animal Physiology	
BIO 342	Plant Physiology	
BIO 452	General Ecology	
CHM 111	General Chemistry I	3 sh
CHM 112	General Chemistry II	3 sh
CHM 113	General Chemistry I Lab	1 sh
CHM 114	General Chemistry II Lab	1 sh

CHM 211	Organic Chemistry I	3 sh
CHM 213	Organic Chemistry I Lab	1 sh
Select one course from:		4 sh
CHM 212/214	Organic Chemistry II & Lab	
CHM 232	Principles of Chemical Separation	
CHM 332/333	Physical Chemistry I & Lab	4 sh

TOTAL	40 sh
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Chemistry concentration:

CHM 111	General Chemistry I	3 sh
CHM 112	General Chemistry II	3 sh
CHM 113	General Chemistry I Lab	1 sh
CHM 114	General Chemistry II Lab	1 sh
CHM 211	Organic Chemistry I	3 sh
CHM 212	Organic Chemistry II	3 sh
CHM 213	Organic Chemistry I Lab	1 sh
CHM 214	Organic Chemistry II Lab	1 sh
CHM 232	Principles of Chemical Separation	4 sh or
CHM 311	Quantitative Analysis	4 sh
CHM 332	Physical Chemistry I	3 sh
CHM 333	Physical Chemistry I Lab	1 sh
BIO 111	Introductory Cell Biology	3 sh
BIO 113	Introductory Cell Biology Lab	1 sh
PHY 113	General Physics W/Calculus I	4 sh
PHY 114	General Physics W/Calculus II	4 sh
(Physics 111 & 112 may be substituted for Physics 113 and 114)		
MTH 121	Calculus and Analytic Geometry I	4 sh

TOTAL	40 sh
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Physics Concentration:

PHY 113	General Physics W/Calculus I	4 sh
PHY 114	General Physics W/Calculus II	4 sh
PHY 213	Modern Physics	4 sh
PHY 301	Classical Mechanics and Dynamical Systems	4 sh
PHY 311	Classical Electrodynamics	4 sh
PHY 312	Electricity, Magnetism, and Field Theory	4 sh
MTH 115	College Algebra and Elementary Functions	4 sh
MTH 121	Calculus and Analytic Geometry I	4 sh
MTH 221	Calculus and Analytic Geometry II	4 sh
MTH 321	Calculus and Analytic Geometry III	4 sh

TOTAL	40 sh
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SOCIAL SCIENCE

Chair, Department of Sociology: Professor Basirico

Coordinator: Assistant Professor Curry

Social science education, designed for prospective secondary school social studies teachers, is an integrated, multi-disciplinary study of interactions among people in diverse cultural and geophysical environments. It examines political institutions, economic processes, historical events and social forces which influence human behavior and produce continually changing relationships and ideas.

The social science education program helps students understand major social, economic, political and environmental issues in both historical and contemporary settings. The program also focuses on the relationship between the person and the larger society. In that context, students are encouraged to reflect upon their own values and behavior. Part of this process emphasizes the development of analytical and communication skills which help people solve problems and make decisions rationally.

Elon's social science education program provides students with an opportunity to master the competencies required by the North Carolina State Department of Public Instruction, including the ability to: 1) formulate objectives; 2) identify and use available resources; 3) read and interpret data; 4) select and create teaching strategies; 5) use facts, develop concepts and formulate generalizations; 6) design and use assessment and evaluation techniques; 7) use democratic classroom methods; 8) recognize and deal with sensitive and controversial issues; and 9) use computer technology relevant to the social sciences.

A major in Social Science Education requires the following courses:

ECO 201	Principles of Economics	4 sh
GEO 131	The World's Regions	4 sh
One course selected from the following:		4 sh
GEO 311	Geography of North America	
GEO 321	Geography of Europe	
SOC 111	Introductory Sociology	4 sh
SOC 112	Introduction to Anthropology	4 sh
POL 111	American Government	4 sh
POL 261	Comparative Politics	4 sh
PSY 111	General Psychology	4 sh
HST 112	Europe and the Mediterranean World Since 1660	4 sh
HST 121	United States History through 1865	4 sh
HST 122	United States History since 1865	4 sh
HST 221	The World in the Twentieth Century	4 sh
HST 361	North Carolina in the Nation	4 sh
Thirty-five semester hours professional education and psychology courses		35 sh
TOTAL		87 sh

SSC 285. RESEARCH METHODS 4 sh

Students examine basic scientific methods, including the philosophy of science, problem definition, concept formation, hypothesis testing, sampling

methods, scale construction and data generation, explanation and prediction and analyze research problems susceptible to the use of quantitative data. Offered fall and spring.

SOCIOLOGY

Chair, Department of Sociology: Professor Basirico

Coordinator, Anthropology Minor: Associate Professor Bolin

Professors: Arcaro, T. Henricks

Assistant Professor: Curry

Sociology and anthropology provide the student with an exceptional understanding of the world by developing an awareness of how society and culture shape our lives and perspectives. Studying sociology and anthropology is more like a journey in which we learn to stand outside ourselves to see our world with new eyes.

Sociologists and anthropologists study all forms and dimensions of human social and cultural behavior from the institutional to the interpersonal. For example: How do people select a mate? How are people organized into groups such as sororities, fraternities and sports teams? How do institutions such as the family, economy, government, religion and health care develop and affect our lives?

With their wide scope, sociology and anthropology are linked to all the disciplines and are complementary to any major found at Elon. The U.S. is a culturally diverse society and solutions to our interpersonal, community, national and international problems demand an understanding of society and culture.

The socio-cultural perspective students develop through sociology and anthropology is an asset not only in their personal lives, but also in business, politics, economics, health care, education, health and fitness, social services, the mental health field, urban planning, family planning and many other professions.

A major in Sociology requires the following courses:

SOC 111	Introductory Sociology	4 sh
SOC 112	Introduction to Anthropology	4 sh
SOC 115	Sociocultural Inquiry	4 sh
SOC 261	Sociological Theory	4 sh
One course selected from the following:		4 sh
SOC 361	Readings in Sociology	
SOC 362	Readings in Anthropology	
SOC 451	Comprehensive Review in Sociology	2 sh
SOC 461	Senior Seminar in Sociology	4 sh
SSC 285	Research Methods	4 sh
Twelve semester hours of electives in Sociology courses and/or Mathematics 114 (Elementary Statistics)		12 sh
TOTAL		42 sh

A minor in Sociology requires the following courses:

SOC 111	Introductory Sociology	4 sh
SOC 115	Sociocultural Inquiry	4 sh
Twelve semester hours selected from Sociology courses		12 sh
TOTAL		20 sh

A minor in Anthropology requires the following courses:

SOC 112	Introduction to Anthropology	4 sh
SOC 115	Sociocultural Inquiry	4 sh
Twelve semester hours selected from		12 sh
SOC 121	Cross-Cultural Encounters (2sh)	
SOC 212	Cultural Anthropology	
SOC 322	Ethnography	
SOC 323	Issues in Culture and Psychology (2 sh)	
SOC 324	Anthropology of Sex	
SOC 325	Culture and Health	
SOC 326	Culture of the Corporation	
SOC 327	Native American World Views	
SOC 345	Sociocultural Perspectives on Gender	
SOC 362	Readings in Anthropology	
SOC 380-389	Special Topics in Anthropology	
SOC 482	Internship in Anthropology (1-4 sh)	
ENG 303	Linguistics	

TOTAL**20 sh****SOC 111 INTRODUCTORY SOCIOLOGY**

4 sh

An introduction to basic theoretical principles and research methods of modern sociology, including such issues as the relationship between culture, personality and society; the fundamental forms of social structure; social institutions such as religion and the family; and social processes such as deviance and social change. Offered fall and spring.

discuss ways of collecting and analyzing information. Special emphasis is given to library and other informational technology and to qualitative methodology, including content analysis and field research. Prerequisite: SOC 111 or 112. Offered spring.

SOC 112. INTRODUCTION TO ANTHROPOLOGY

4 sh

Students explore the meaning of human nature as it has developed over time and is given expression in human cultures. Study emphasizes bio-cultural evolution of the human species, methods used to study both physical and cultural evolution and the diversity and development of human language. Offered fall and spring.

SOC 121. CROSS CULTURAL ENCOUNTERS

2 sh

This course is an introduction to the subject of culture and to living in a multicultural world. The central theme of the course is appreciating as well as understanding cultural diversity. Students will develop and expand their cultural sensitivity through a variety of experiential activities focused on becoming more aware of the role of culture as central in defining who we are as individuals. Exposure to the unique approaches of anthropologists in encountering and communicating with peoples of different cultures and backgrounds will be emphasized. This course will serve as an excellent foundation for a variety of majors in communications, the humanities, the social sciences, business, education,

SOC 115. SOCIOCULTURAL INQUIRY

4 sh

Students develop an understanding of the ways sociologists and anthropologists inquire about society, use socio-cultural perspectives and theories to frame researchable questions and

and for those with a geographic focus such as Asia, Africa, Russia, etc. It will also serve as preparation for studies abroad experience.

SOC 131. SOCIOLOGY THROUGH FILM 4 sh

This course explores sociological principles, concepts, theories, ideas, themes, and issues as they may be illustrated in cinema, television, and commercials. Relevant sociological readings are assigned to accompany the specific sociological content being illustrated in each session.

SOC 212. CULTURAL ANTHROPOLOGY 4 sh

This introduction to the study of human cultures focuses on the concept of culture, and presents theories and methods used by anthropologists studying peoples across the globe, including ourselves. Topics include social organization, marriage, making a living, religion and political organization, among others. Prerequisite: SOC 111 or 112.

**SOC 241. SOCIAL ISSUES
AND PROBLEMS**

4 sh

Students investigate social issues pertaining to institutions and use a sociological framework to discover the interconnections between national and global problems. Study focuses on causes, consequences and policies concerning such problems as racism, sexism, poverty, war, overpopulation, and issues pertaining to institutions of the family, economy, government, medicine, religion and others. Prerequisite: SOC 111.

SOC 261. SOCIOLOGICAL THEORY 4 sh

In sociological theory, students explore conceptualization and model-building in modern sociology and consider the emergence of sociological traditions or perspectives. Topics concentrate on underlying assumptions, historical and intellectual background and logical consequences of these positions. This course is a Writing Intensive Course in

the department, meaning at least 70 percent of the grade comes from writing assignments during the course. Prerequisite: SOC 111. Offered spring.

SOC 311. THE FAMILY

4 sh

An investigation of the family as an institution in societies, focusing on the development and current patterns of the American family. Specific topics include social class differences, racial and ethnic variations, premarital patterns, marital interaction, family problems and the future prospects for the family. Prerequisite: SOC 111.

SOC 314 SOCIOLOGY OF SPORT

4 sh

This course focuses on sport as a major social institution in American society. Topics include the social organization of sport, the relationship of sport to other aspects of American life such as politics and education, the experiences of African-Americans, women, and youth in sport and the broader effects of sport on culture, personality and society.

SOC 322. ETHNOGRAPHY

4 sh

This course teaches the methods anthropologists use to gain access, develop rapport, collect and analyze data and interpret findings when studying human cultures. Students also read selected ethnographies (first hand accounts by anthropologists who have lived among peoples of various cultures throughout the globe, including ourselves). Prerequisite: SOC 111 or 112.

**SOC 323. ISSUES IN CULTURE
AND PSYCHOLOGY**

2 sh

Exploration of developments in psychological anthropology emphasizes recent trends, including culture and mental illness, altered states of consciousness and the relationship of culture and emotion. Prerequisite: SOC 111 or 112.

SOC 324. ANTHROPOLOGY OF SEX

4 sh

This course examines human sexuality from a bio-cultural perspective, exploring the physiology of human sexuality and the cross-cultural context of sexual

expression. Themes include alternative sexual lifestyles, sexual dysfunction, the symbolic dimensions of sexuality and AIDS. Prerequisite: SOC 111 or 112.

SOC 325. CULTURE AND HEALTH 4 sh

This study of the bio-cultural basis of health and disease over time and across cultures examines the importance of culture in the experience of illness, diagnosis and treatments. Topics include the cultural implications of food and food habits, health care practices, the relationship of healers and patients, alternative health care practices and the relationship of mind and body in illness and recovery. Prerequisite: SOC 111 or 112.

SOC 326. CULTURE OF THE CORPORATION 4 sh

This course investigates culture as found in corporations, compares the organization of work in corporate settings to work experience in other cultures, and analyzes companies in terms of organizational cultures including management strategies, the company gestalt, rituals, formal and informal roles, subcultures, etc. Prerequisite: SOC 111 or 112.

SOC 327. NATIVE AMERICAN WORLD VIEWS 4 sh

Students develop an understanding of non-western views of the world through intellectual and experiential study of Native American perspectives. Anthropological concepts are used in conjunction with non-western methods of understanding. The course emphasizes the power of the oral tradition as a learning tool and explores the continuities and diversities of the Native America belief systems. Experiential activities include conversations with Native American healers and leaders, participation in Pow Wows and a variety of outdoor activities designed to help the students develop an animistic perspective.

SOC 328. MODERNIZATION IN GLOBAL PERSPECTIVE 4 sh

This course examines the changes that

have created the "modern" world. The course initially considers social and cultural changes in Europe and America during the nineteenth and twentieth centuries, including changes in public ideas and values, economics, politics, religion, family life, community, education and public ceremony. A key theme will be the impact on self-experience. The second part of the course focuses on these issues as they are occurring presently within the developing countries. The nature and influence of an emerging global "community" will be examined. Prerequisite: SOC 111 or 112.

SOC 329. PEOPLES AND CULTURES OF SOUTHEAST ASIA 4 sh

This course examines the area cultural anthropologists designate as Southeast Asia. Major sources include the Paleolithic record for an understanding of demographics, population, migration patterns, human biological variation (race) and cultural continuities. This course focuses on five central themes: (1) the diverse ethnic population and cultures of Southeast Asia; (2) the pattern of ecological adaptation; (3) marriage practices and family life; (4) ideology and ritual expressions, including the spiritual realms and religious life; and (5) problems of modernization and culture change. Prerequisite: SOC 111 or 112.

SOC 331. THE SELF AND SOCIETY 4 sh

Self and society involves the ways individuals are influenced by social interaction with others, with attention to the interaction processes of socialization, developing an identity, and individual identities affecting interactions. Other topics include the impact of social change, increased technological developments in everyday life, and post-modernism on the self and the sociological perspectives of symbolic interactionism and dramaturgy. Prerequisite: SOC 111.

**SOC 332. CONTEMPORARY
ENVIRONMENTAL ISSUES
AND HUMAN VALUES**

4 sh

This course has three distinct but interrelated components and focuses on the interaction between environmental concerns and human cultural systems. One section of study centers upon historical and macro-theoretical perspectives on environmental issues. Another specific focus is on understanding the American culture and how our particular values and priorities have manifested themselves vis-a-vis the natural environment. A third component focuses on the growing need for environmental planning on all levels from local to global.

SOC 333. SOCIAL STRATIFICATION

4 sh

This study of societal patterns of inequality includes consideration of differences in wealth, power, prestige and knowledge. Students examine the access levels groups have to these resources and the subsequent effects of their access level on educational opportunity, housing, health care, justice before the law, self esteem and life satisfaction. The stratification systems of the different societies are studied, but the primary focus is on institutionalized inequality in the U.S. Prerequisite: SOC 111.

**SOC 341. ETHNIC AND RACE
RELATIONS**

4 sh

Students examine the meaning of minority group status in terms of the general patterns and problems confronting all minorities as well as the specific issues facing individual minority groups, such as African-Americans, Jews, European-Americans, and Asian-Americans. Discussion emphasizes the nature of prejudice and discrimination, the structure of minority-majority relations and strategies toward social equality. Prerequisite: SOC 111.

SOC 342. SOCIAL DEVIANCE

4 sh

This course considers deviance and social control in societal context.

Emphasis is placed on the ways in which deviance is defined cross-culturally and on the different ways in which "deviants" are labeled and treated. The course focuses on socio-cultural explanations of deviance within such areas as mental and physical health, drug use, sexual expression, aggression and personal identity. The relationship between deviance and social stratification is examined. Prerequisite: SOC 111.

**SOC 343. SOCIAL AND
CULTURAL CHANGE**

4 sh

Concern for the nature and direction of modernization provides a foundation in this course as students analyze patterns of social and cultural change (especially in technologically advanced societies such as the U.S.). Topics include innovation, diffusion, evolution, revolution, collective behavior and social movements, with emphasis on the causes of patterns and their effects on individual and public life. Prerequisite: SOC 111.

**SOC 345. SOCIOCULTURAL
PERSPECTIVES
ON GENDER**

4 sh

Students use sociological and anthropological perspectives, theories and concepts to analyze the meaning of being female and male in American society. Discussion emphasizes the inequities based upon gender, particularly the problems faced by women. Prerequisite: SOC 111 or 112.

**SOC 344. SOCIOCULTURAL CHANGE
IN INDIA**

4 sh

This course uses the world recognized Comprehensive Rural Health Project located in Jamkhed, India as a case study of progressive social change. A reliance on grassroots level effort, appropriate technology and long term strategies has made this project very successful, especially in its ability to positively impact the lives of women and children. Various sociological theories and methodologies will be examined in the context of this case study. Both

ethnographic and quantitative data collected both by the instructor and from CRHP sources will be presented, examined and analyzed. The question of the possibility of "transplanting" this model to other cultural settings will be discussed. Students will be asked to research a social change organization of their choosing as part of this class. Prerequisite: SOC 111 or 112.

226

SOC 347. COMMUNITY ORGANIZATION AND DEVELOPMENT 4 sh

Students explore characteristics of the changing pattern of community life by examining community organizations and analyzing the effect of change on community integration and development. The course emphasizes the types of relationships which people and organizations enter or form by clustering in the same location. Democratic processes in community action and principles of organization are also examined. Prerequisite: SOC 111.

SOC 351. SOCIOLOGY OF POPULAR CULTURE 4 sh

This course studies the nature and significance of culture as this is presented to the public through movies, magazines, newspapers, television, music, radio, popular fiction, spectator events and mass-produced consumer goods. The course will focus on patterns of production, distribution and consumption of popular culture; thematic issues; and effects on behavior. A special concern will be the relationship of popular culture images to "visions of the good life" in the modern US. Prerequisite: SOC 111.

SOC 355. SOCIOLOGY OF CRIME 4 sh

This course provides a sociological explanation of crime, with a focus on the relationship between social structure and criminal behavior. Included in this approach are studies of individual criminal behavior. Both classic and contemporary theories of crime are explored. Emphasis is placed upon the

American context. Prerequisite: SOC 111.

SOC 361. READINGS IN SOCIOLOGY 4 sh

In this colloquium of significant readings in sociology, students explore specific substantive topics, key theoretical issues and new developments in the discipline. Prerequisite: Junior or senior standing, SOC 111 or 112. Offered fall.

SOC 362. READINGS IN ANTHROPOLOGY 4 sh

In this colloquium of significant readings in anthropology, students explore specific substantive topics, key theoretical issues and new developments in the discipline. Prerequisite: Junior or senior standing, SOC 111 or 112. Offered fall.

SOC 370-379. SPECIAL TOPICS IN SOCIOLOGY 2-4 sh

A series of courses reflecting new contributions in sociology or sociological issues. Prerequisite: To be determined by instructor.

SOC 380-389. SPECIAL TOPICS IN ANTHROPOLOGY 2-4 sh

A series of courses reflecting new contributions in anthropology or anthropological issues. Prerequisite: To be determined by instructor.

SOC 451. COMPREHENSIVE REVIEW IN SOCIOLOGY 2 sh

Students review the major theories, principles and concepts in sociology as preparation for major evaluation. This course is intended primarily for senior sociology majors and sociology minors. Students from other areas who seek a review of the field also may take this course. Offered in the Fall. Prerequisite: Must be sociology major, minor, or have permission of the instructor and be at least a junior. Offered fall.

SOC 461. SENIOR SEMINAR IN SOCIOLOGY 4 sh

This capstone course reviews major areas of sociology and provides further opportunity to share research on these topics. Students conduct research

ranging from how sociological knowledge can be applied occupationally and politically to more basic, academic topics. Prerequisite: Senior Sociology major. Offered spring.

**SOC 471. SEMINAR:
SPECIAL TOPICS** 2-4 sh

**SOC 481. INTERNSHIP
IN SOCIOLOGY** 1-4 sh

Teaching, research, service and occupational internships are offered. Limited to 4 semester hours credit applicable to Sociology major or minor. Prerequisite: Department permission and must be at least a sophomore.

**SOC 482. INTERNSHIP IN
ANTHROPOLOGY** 1-4 sh

Teaching, research, service and occupational internships are offered. Limited to 4 semester hours credit applicable to Sociology major or minor,

or Anthropology minor. Prerequisite: Department permission and must be at least a sophomore.

SOC 491. INDEPENDENT STUDY 1-4 sh

**SOC 499. INDEPENDENT RESEARCH
IN SOCIOLOGY** 1-8 sh

In this special form of independent study, the student develops as individual project of original research under the guidance of a professor within the department.

Prerequisites include at least sophomore standing; status as a sociology major or minor, or anthropology minor; satisfactory completion of SOC 115 or SSC 285; and permission of the sponsoring professor. Students are also required to complete the department's "independent research" form, a process that includes a description of the proposed research and a student-professor plan for completing the course.

227

THEATRE ARTS

Chair, Department of Performing Arts: Associate Professor McNeela

Assistant Professors: Becherer, Romersberger, Rubeck

Adjunct Instructor: Johnson

The study of Theatre Arts can be a vital part of a liberal arts education. Creativity, teamwork, problem-solving, communication skills and critical thinking are all enhanced by this study, regardless of the student's eventual career goals.

The Department of Performing Arts offers both a Bachelor of Arts degree and a minor in Theatre Arts. Students who major in this field are prepared for graduate studies in Theatre or related fields or possible entry into the professional world.

The course of study within this major emphasizes a thorough grounding in all areas of the Theatre Arts (performance, production, design and directing), Theatre History & Literature and a student-selected upper level emphasis. To provide practical application of coursework, students are expected to participate actively in department productions. For those interested in a career in theatre, regular opportunities exist for contact with the professional world through regional and national conferences, conventions, auditions and competitions.

The minor in Theatre Arts is designed for the general theatre enthusiast. Students complete a study of the base level skills in performance, production and theory, followed by advanced study in a selected area. The purpose of this study is to create more informed audience members and avocational participants.

A major in Theatre Arts requires the following courses:

THE 120	Voice & Movement	4 sh
THE 210	Technical Production in Theatre	4 sh
THE 220	Performance Skills I	4 sh
THE 230	Playscript Analysis	4 sh
THE 301	Theatre History & Literature I	4 sh
THE 302	Theatre History & Literature II	4 sh
THE 340	Theatre Design	4 sh
THE 430	Play Direction	4 sh
THE 495	Senior Seminar	4 sh

Twelve semester hours (at least 8 sh at 300-400 level)
selected from: 12 sh

(a) electives in THE or MTE

(b) dramatic literature courses (ENG 342, 343, 352, or any course
in English or Foreign Language which focuses on dramatic literature.)

TOTAL 468 sh

A minor in Theatre Arts requires the following courses:

THE 101	Introduction to Theatre	4 sh
THE 123	Acting for Non-Majors	4 sh
THE 210	Technical Production in Theatre	4 sh
Eight hours THE electives at the 300-400 level		8 sh

TOTAL 20 sh

THE 101. INTRODUCTION TO THEATRE

4 sh

Students explore the nature of theatre, how it is created and how it functions in society. Primary study covers the diversity of the art form, basic terminology and the event/audience relationship. Performance reaction papers, creative projects and lab hours are required. Offered fall or spring. (THE 101 is the same course as FNA 101.)

THE 110. THEATRE WORKSHOP

2-4 sh

Students work with a professor to earn credit for hands-on experiences in theatrical production. Max. 4 sh credit. Offered fall and spring.

THE 120. VOICE & MOVEMENT

4 sh

Students learn to free and expand their physical and vocal instruments, removing tension and inhibitions to become flexible, creative and expressive performers. Prerequisite: theatre arts/

music theatre majors, or permission of instructor. Offered fall.

THE 125. ACTING FOR NON-MAJORS

4 sh

Designed to meet the interests of the non-major. With this course's dual focus, students gain experience in acting and examine topics such as the art of acting, leading to a more informed audience respondent. Performance reaction papers and lab hours are required. Offered fall or spring.

THE 210. TECHNICAL PRODUCTION IN THEATRE

4 sh

Students learn the basics of theatrical production in scenery and lighting, including fundamental drafting skills. A heavy hands on lab is required. Offered fall or spring.

THE 220. PERFORMANCE SKILLS I

4 sh

Students work toward more effective communication by developing physical,

vocal, and imaginative acting skills. Character development and improvisation create the core work leading to deeper understanding of actors' working methods. Performance reaction papers, lab hours and department audition participation is required. Prerequisite: THE 120. Offered fall.

THE 221. PERFORMANCE SKILLS II 4 sh

Students prepare scenework exercises to continue developing acting skills, with focus on realistic drama approached through a Stanislavski-based methodology. Performance reaction papers, lab hours and department audition participation are required. Prerequisite: THE 220. Offered spring.

THE 222. FUNDAMENTALS OF MAKE-UP DESIGN AND APPLICATION 2 sh

Students learn the basic art of 2- and 3-dimensional stage make-up design and application, including corrective, age, fantasy and prosthetics. Students must purchase a make-up kit and serve on make-up crew for current department productions. Offered alternating years.

THE 223. THEATRE ENSEMBLE 1 sh

Students earn credit for performing in department productions. This course is repeatable. Prerequisite: Admission by audition only. Offered fall and spring.

THE 225. VOCAL PRODUCTION AND DICTION 4 sh

Students study correct speaking voice production and diction for the standard American dialect, including the mechanics of speech, identification and correction of vocal problems, the International Phonetics Alphabet and standard production of vowel and consonant phonemes. Voice reaction papers and in-class presentations are required.

THE 230. PLAYSRIPT ANALYSIS 4 sh

Students learn various methods of analyzing playscripts as a basis for interpretation for all theatre artists. Performance reaction papers and lab

hours are required. Offered alternating years.

THE 301. THEATRE HISTORY AND LITERATURE I 4 sh

Students explore the origins of the art form and its development through the 17th century, emphasizing understanding the historical context of the text and its performance conditions and methods by studying representative plays of each period. A major research assignment is required. Offered alternating years.

THE 302. THEATRE HISTORY AND LITERATURE II 4 sh

Students further explore the evolution of the art form from the 17th century to the present with emphasis on understanding the historical context of the text and its performance conditions and methods by studying representative plays of each period. A major research assignment is required. Offered alternating years.

THE 310. ADVANCED PROJECTS IN THEATRE 2-4 sh

Advanced, experienced theatre students earn credit for assuming major responsibilities in department productions. May be repeated for credit. Prerequisite: permission of instructor, availability of projects. Offered fall and spring.

THE 320. SPECIAL TOPICS IN PERFORMANCE 4 sh

In this course for advanced performers, each semester examines a different topic, such as audition techniques, stage dialects, acting for the camera and period style. Performance reaction papers and lab hours are required. May be repeated for credit. Prerequisites: THE 220, 221, majors only.

THE 330. PLAYWRITING 4 sh

Students learn the skills, working methods and processes of theatrical playwriting by studying playscripts and known playwrights and by strenuous writing assignments. Study culminates in a completed one-act script.

THE 340. THEATRE DESIGN

4 sh

As students learn to interpret text into visual design in scenery, costumes, and lighting, study focuses on decision-making, conceptualization, manipulating the elements and principles of design, communicating the design, and coordinating production design. Production reaction papers and lab hours are required. Prerequisites: THE 210, 230 or permission of the instructor. Offered alternating years.

THE 430. PLAY DIRECTION

4 sh

Working methods of the stage director—from analysis through rehearsal—are the focus of this study, which culminates in the production by each student of a one-act play. Discussion emphasizes decision-making and communicating with actors. Production reaction papers and lab hours are required. Prerequisites: THE 220, 230. Offered alternating years.

THE 440. SPECIAL TOPICS IN THEATRE PRODUCTION AND DESIGN

4 sh

Students conduct an in-depth examination of a different topic each semester, such as scenic design, lighting design, costume design, production stage management and technical direction. Production reaction papers and lab hours are required. May be repeated for credit. Prerequisites: THE 210, 230, 340.

THE 495. SENIOR SEMINAR

4 sh

This capstone experience for senior theatre arts majors concentrates on two areas: a practical project demonstrating proficiency in the field and preparation for graduate study or work in the profession. Prerequisite: senior majors only. Offered fall.

WOMEN'S STUDIES/GENDER STUDIES

Coordinator: Professor Granowsky

Women's Studies is an interdisciplinary program begun nationally in the 1970s—at Elon in 1988—with the goal of rethinking academic disciplines from the perspective of women's experience. This endeavor has challenged theoretical and empirical understandings of women and men and produced a wealth of new scholarship. Gender Studies was added in 1996 to broaden the focus of this new perspective and scholarship to include the study of men and masculinity. Students report that the study of women's issues and gender questions helps them think critically, analyze material from diverse perspectives and make informed decisions about their lives both before and after they graduate.

A minor in Women's Studies/Gender Studies requires the following:

Sixteen semester hours chosen from these courses:

ECO 317	The Economics of Women	4 sh
ENG 333	Women in Literature: Feminist Approaches	4 sh
ENG 356	British Women Novelists	4 sh
ENG 361	Gender Issues in Cinema	4 sh
HST 364	History of Women in the United States	4 sh
PHL 345	Feminist Philosophy	4 sh
PSY 315	Psychology of Sex and Gender	4 sh
REL 347	Women and Religion	4 sh

SOC 324	Anthropology of Sex	4 sh
SOC 345	Sociocultural Perspectives on Gender	4 sh
WGS 371-379	Special Topics in Women's Studies/Gender Studies	4 sh
Other Women's Studies/Gender Studies courses*		
Four semester hours chosen from these courses:		
WGS 461-9	Seminars on Various Topics	4 sh
WGS 481	Internship in Women's Studies/Gender Studies	1-4 sh
WGS 491	Independent Study	1-4 sh
TOTAL		20 sh

* Other courses cross-listed with disciplines will be offered from time to time, with a suffix "WGS" indicating that they may be used to fulfill Women's Studies/Gender Studies requirements.

WGS 371-379. SPECIAL TOPICS IN WOMEN'S STUDIES/GENDER STUDIES 4 sh

WGS 461-469. SEMINARS ON VARIOUS TOPICS 4 sh

These interdisciplinary seminars combine two or more approaches in feminist and/or gender scholarship, with varying concentrations on significant topics.

Prerequisites: junior standing and two women's studies/gender studies courses.

WGS 481. INTERNSHIP IN WOMEN'S STUDIES/GENDER STUDIES 1-4 sh

Teaching, research, service and occupational internships focusing on women/gender issues are offered. Prerequisite: two women's studies/gender studies courses and permission of coordinator.

WGS 491. INDEPENDENT STUDY 1-4 sh



Graduate Degree Requirements

233

Degrees and Major Fields

Master of Business Administration (MBA)

Master of Education (M.Ed. in Elementary Education or Special Education)

Master of Physical Therapy (MPT)

Master of Business Administration (MBA)

Elon College offers an opportunity for individuals to earn a Master of Business Administration (MBA) degree while continuing their careers. All courses are taught in the evenings during the regular fall, winter, spring and summer academic periods.

Admissions Policy

The MBA admissions policy encourages the selection of students who have demonstrated both academic ability and managerial promise. Each application is considered in light of all completed academic work, the Graduate Management Admission Test (GMAT) score, evidence of leadership and motivation, professional experience and letters of recommendation.

Undergraduates are not permitted to register for graduate courses.

For an application, Graduate Catalog or more information about the MBA program and specific admissions requirements, please contact the Elon College Office of Graduate Admissions.

Basic Requirements

- Bachelor's degree from an institution accredited by the Southern Association of Colleges and Schools or a comparable accrediting association
- Official transcripts of all undergraduate and graduate courses of study
- Test score from GMAT taken within last five years
- International students must submit TOEFL scores unless English is the student's native language or the language of instruction
- Personal interview with MBA Committee member
- Three written references

Degree Requirements

- Minimum cumulative grade point average of 3.0 in all graduate courses
- Completion of 39 graduate hours (13 courses) within six calendar years
- Application for graduation by the dates published by the Registrar
- Completion of the last six semester hours at Elon College
- Participation in Commencement exercises

Program of Study

234

MBA 500	Environmental Change and Organizational Adaptation	3 sh
MBA 510	Enhancing Leadership Effectiveness	3 sh
MBA 515	Managerial Economics	3 sh
MBA 520	Quantitative Decision Making	3 sh
MBA 525	Marketing Management	3 sh
MBA 530	Managerial Accounting	3 sh
MBA 535	Productivity Improvement	3 sh
MBA 540	Financial Management	3 sh
MBA 545	Strategic Market Positioning	3 sh
MBA 550	Advanced Financial Strategies	3 sh
MBA 555	Strategy Implementation: Leading the Change Process	3 sh
MBA 560	Leading Organizations in the 21st Century	3 sh
MBA 565	International Business	3 sh

Program Guidelines

- Required undergraduate foundation courses in accounting, economics and organizational behavior/management.
- Demonstrated proficiency in computer skills and mathematics.
- Students may enter the program by taking MBA 500 in either August or January.
- MBA 555, the capstone course, must be taken in the student's semester of graduation.

Course Schedules

MBA courses are scheduled during Monday through Thursday evening periods.

Master of Education (M.Ed.)

Elon College offers an opportunity for individuals to earn a Master of Education (M.Ed.) degree, with specialty areas in Elementary Education and Special Education (Specific Learning Disabilities or Behaviorally/Emotionally Handicapped), while continuing their careers. All courses are taught in the evenings during fall and spring semesters and in the daytime during summer school.

Admissions Policy

The M.Ed. admissions policy is designed to select students who have demonstrated both academic competence and teaching ability. Each application is

considered in light of all completed academic work, scores from either the Graduate Record Examinations (GRE) or the Miller Analogies Test (MAT), evidence of leadership and motivation, possession of a recognized teaching credential and letters of recommendation.

Undergraduates are not permitted to register for graduate courses.

For an application, Graduate Catalog or more information about the M.Ed. program, please contact Elon College Office of Graduate Admissions.

Basic Requirements

- Bachelor's degree from an institution accredited by the Southern Association of Colleges and Schools or a comparable accrediting association
- Overall 2.5 GPA for undergraduate work or 3.0 GPA for the last 60 semester hours or in the major courses
- Official transcripts of all undergraduate and graduate courses of study
- Recognized teaching license or commitment to achieving licensure. Candidates must have met undergraduate requirements for a North Carolina initial license, or higher, before being recommended for graduate licensure
- Minimum MAT score of 30 or a preferred verbal and quantitative score of 800 on the GRE taken within last five years prior to application for admission
- Three written references

235

Degree Requirements

- Completion of courses specified under the Graduate Core Curriculum and specialty area—Elementary or Special Education
- Minimum cumulative grade point average of 3.0 in all graduate courses
- Completion of 33 or 36 graduate hours (11 or 12 courses) within six calendar years
- Satisfactory performance on a written comprehensive examination taken during or after the last semester of enrollment
- NTE specialty area examination required for Special Education licensure
- Completion of the last six semester hours at Elon College
- Application for graduation by the dates published by the Registrar
- Participation in Commencement exercises except for those completing requirements during summer school

Programs of Study

All students are required to complete the Graduate Core Curriculum.

Elementary Education (K-6)

In addition to the Graduate Core Curriculum, students are required to complete the Elementary Education core of Education 511, 521, 530, 532, 550 and three courses from: Education 522, 523, 540, 560, 591; Mathematics 521; Science 565; Social Studies 531, 541, 546.

Special Education (K-12)

In addition to the Graduate Core Curriculum, students are required to complete the Special Education core of Education 535, 542, 543, 545, 580 and two courses from Education 530, 532, 534, 544, 546.

Students select either the area of Specific Learning Disabilities or Behaviorally/Emotionally Handicapped as their major. Students majoring in Specific Learning Disabilities are required to complete Education 547. Students majoring in Behaviorally/Emotionally Handicapped are required to complete Education 548.

236

Graduate Core Curriculum—Elementary and Special Education

EDU 515	Educational Testing and Measurement	3 sh
EDU 516	Educational Research	3 sh
PSY 515	Advanced Psychological Theory in the Classroom	3 sh

Elementary Education Core:

EDU 511	Advanced Foundational Studies	3 sh
EDU 521	Survey of Elementary Curriculum: Development and Content	3 sh
EDU 530	Diagnosis and Remediation in Language Arts	3 sh
EDU 532	Collaboration and Consultation Skills	3 sh
EDU 550	Meeting Special Learning Needs of Children	3 sh

Elementary Education Electives: Select three courses

EDU 522	Communication Skills in the Elementary School	3 sh
EDU 523	Instructional Technologies in the Classroom	3 sh
EDU 540	Literature for Children and Youth: Analysis and Application	3 sh
EDU 560	Trends in Teaching Social Studies (K-6)	3 sh
EDU 591	Independent Study	3 sh
MTH 521	Math Concepts for the Elementary School Teacher	3 sh
SCI 565	Integrated Science for Elementary and Middle Grade Teachers	3 sh
SST 531	Advanced Studies in American Government	3 sh
SST 541	Special Topics in Economics	3 sh
SST 546	North Carolina in the Nation	3 sh

Special Education Core:

EDU 535	Assessment Methods, Use and Interpretation	3 sh
EDU 542	Historical, Legal, Educational Aspects of Special Education	3 sh
EDU 543	Specialized Instructional Methods and Materials	3 sh
EDU 545	Planning and Managing the Learning Environment	3 sh
EDU 580	Internship in Special Education	6 sh

Specific Learning Disabilities Major: Specialty Course

EDU 547	Nature and Needs of Students with Learning Disabilities	3 sh
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Behaviorally/Emotionally Handicapped Major: Specialty Course

EDU 548	Nature and Needs of Students with Behavior Disorders	3 sh
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Special Education Electives: Select two courses:

EDU 530	Diagnosis and Remediation in Language Arts	3 sh
EDU 532	Collaboration and Consultation Skills	3 sh
EDU 534	Curriculum Development and Design in Special Education	3 sh
EDU 544	Academic Support Skills for Exceptional Children and Youth	3 sh
EDU 546	Advanced Behavior Management	3 sh

237**Course Load**

Students may enroll in a maximum of three courses during fall and spring semesters. It is recommended that students who are employed full-time register for no more than two courses during a semester. Courses are scheduled in two sessions during the summer months.

Six calendar years are allowed for completion of the M.Ed. program.

Course Schedules

During the fall and spring semesters classes are scheduled Monday through Thursday from 5:30-8:30 p.m. Each class meets one evening per week.

Summer school is planned to accommodate the working schedules of public school teacher; daytime classes are scheduled.

Master of Physical Therapy (MPT)

The Department of Physical Therapy Education offers an entry-level Master of Physical Therapy (MPT) degree which prepares students for multifaceted roles in the physical therapy profession. Elon's unique modular curriculum is designed to integrate and coordinate courses and modules in a sequence that enhances learning. Graduates will be highly skilled clinical generalists able to provide services throughout the broad spectrum of care.

Admissions Policy

The MPT admissions policy supports the selection of students who have demonstrated academic competence (overall and in natural science foundation courses), leadership ability and personal integrity. Each application is considered in light of all academic undergraduate work, Graduate Record Examinations (GRE) scores, volunteer or work experience in the profession and references.

For an application packet, listing of prerequisite courses or more information about the MPT program and specific admissions requirements, please contact the Elon College Office of Graduate Admissions.

Basic Requirements

- Bachelor's degree in a field other than physical therapy, from a regionally accredited institution or date when degree is expected (degree must be completed before matriculation in MPT program)
- Minimum GPA of 3.0 in both cumulative undergraduate and sciences are given admissions priority
- Official transcripts of all previous college courses and degrees
- Test score from GRE taken within last five years
- Personal statement
- Knowledge of physical therapy profession through work or volunteer experience
- Three written references
- Preadmission interview on campus if invited
- International students must submit TOEFL scores unless English is the student's native language or the language of instruction; English translations of transcripts and grading system explanations required through the World Education Services or Josef Silny & Associates, Inc.

Degree Requirements

- Minimum cumulative grade point average of 3.0
- Completion of 16 modules and 155 total credit hours
- Application for graduation by the dates published by the Registrar
- Participation in Commencement exercises

Program of Study

Year 1	Credit Hours
MPT 500 Psychosocial Aspects of Health Care	3
MPT 501 Today's Health Care Systems	2
MPT 501 Introduction to Research	1
MPT 503 Anatomy I	5
MPT 504 Anatomy II	5
MPT 505 Kinesiology and Pathokinesiology I	4
MPT 506 Kinesiology and Pathokinesiology II	4
MPT 507 Physical Therapy Science I	2
MPT 508 Physical Therapy Science II	3
MPT 509 Physical Therapy Science III	3
MPT 510 Human Life Sequences	2
MPT 511 Physiology and Pathophysiology I	5

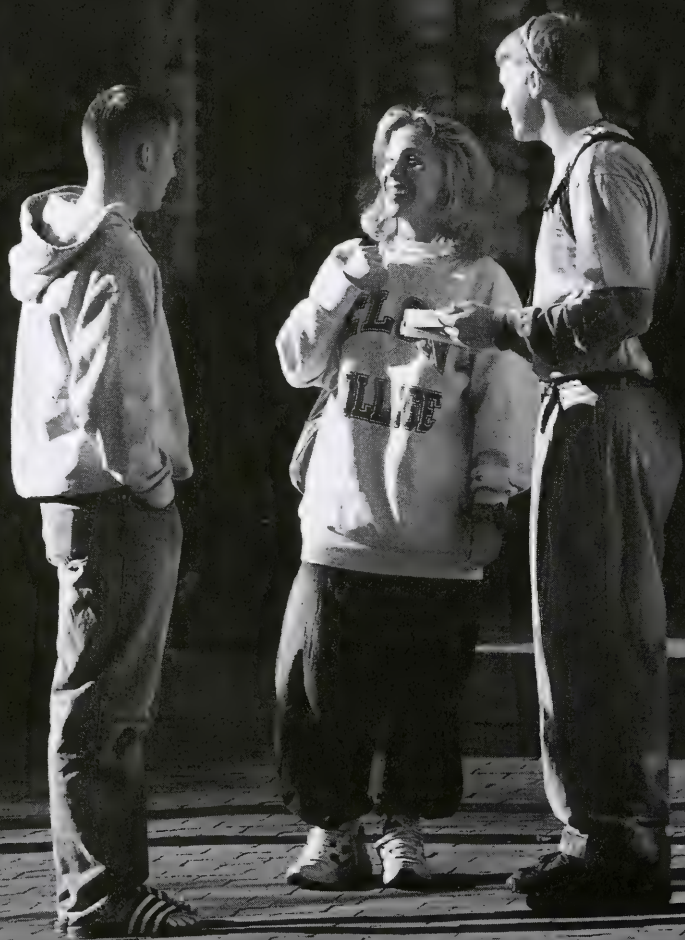
MPT 512	Physiology and Pathophysiology II	5
MPT 513	Research Design I	2
MPT 514	Preparation for Clinical Practicum I	1
MPT 515	Preparation for Clinical Practicum II	1
MPT 522	Foundations of Musculoskeletal Intervention	5
MPT 523	Evaluation/Treatment of Upper Quarter Musculoskeletal Problems	5
MPT 524	Evaluation/Treatment of Lower Quarter Musculoskeletal Problems	5
MPT 525	Research Design II	2
MPT 530	Principles of Teaching and Learning	2

Program Guidelines

- Required undergraduate courses in biology, human anatomy, human physiology, general chemistry, physics, psychology, statistics and English composition
- Demonstrated proficiency in computer skills

Course Schedules

The full-time program begins in January and continues year-round for two years and four months. Classes are taught in modules of varying lengths.



Directory & Appendices

241

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- Robert E. LaRose**, *Chair of the Board*
Gail McMichael Drew, *Vice Chair*
The Rev. G. Melvin Palmer, Ed.D.,
Chair Pro Tem
Thomas E. Powell III, M.D., *Secretary*
Gerald O. Whittington, *Treasurer*
Gerald L. Francis, Ph.D.,
Assistant Secretary and Assistant Treasurer
J. Fred Young, Ed.D.,
President of the College

Terms Expiring May 31, 1999

- Ann Lentz Ameen**, Wilton, Conn.
Edmund R. Gant, Burlington, N.C.
The Hon. Elmon T. Gray, Waverly, Va.
Robert R. Lane, Powell, Ohio
Robert Model, New York, N.Y.
Thomas E. Powell III, M.D.,
 Burlington, N.C.
Janie Crumpton Evans Reece,
 Greensboro, N.C.
Michael G. Rodgers, Pottstown, Penn.
Carolyn P. Sabates, Charlotte, N.C.
Zachary T. Walker III,
 Greensboro, N.C.

Terms Expiring May 31, 2000

- Wallace L. Chandler**, Richmond, Va.
R. Leroy Howell, D.D.S., Suffolk, Va.
Robert E. LaRose, Clifton, Va.
Donald A. Lopes, Providence, R.I.
W.E. Love Jr., Burlington, N.C.
James W. Maynard, Burlington, N.C.
Kebbler L. McGhee, Raleigh, N.C.

- Bob E. McKinnon**, Hickory, N.C.
James B. Powell, M.D., Burlington, N.C.
William H. Smith, Burlington, N.C.

Terms Expiring May 31, 2001

- Gail McMichael Drew**, Durham, N.C.
Allen E. Gant, Jr., Burlington, N.C.
William N.P. Herbert, M.D.,
 Chapel Hill, N.C.
Victoria Silek Hunt, Burlington, N.C.
The Rev. G. Melvin Palmer, Ed.D.,
 Greensboro, N.C.

- David E. Pardue Jr.**, Burlington, N.C.
Warren G. Rhodes, Elon College, N.C.
Thomas M. Tworoger, Ft. Lauderdale, Fl.
Robert A. Ward, Burlington, N.C.

Terms Expiring May 31, 2002

- Noel Lee Allen, J.D.**, Raleigh, N.C.
Barbara Day Bass, Richmond, Va.
Iris McEwen McCrary Coupland,
 Burlington, N.C.
Sherrill G. Hall, Greensboro, N.C.
William A. Hawks, Burlington, N.C.
Michele Skeens Hazel, Broad Run, Va.
Maurice Jennings, Greensboro, N.C.
Frank R. Lyon, New Canaan, Conn.
Richard L. Thompson, Raleigh, N.C.

Ex Officio Members

- The Rev. Carroll E. Bartholomew, D.Min.**,
President of the Southern Conference
The Rev. Rollin O. Russell, D.Min.,
Conference Minister, Southern Conference
J. Fred Young, Ed.D.,
President of the College

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 Roger Gant Jr.
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 Emily Harris Preyer
 William D. Rippey, M.D.
 J. Hinton Rountree
 Samuel E. Scott, M.D.
 J. Harold Smith
 Royall H. Spence Jr.
 The Rev. W. Millard Stevens
 A.G. Thompson
 C. Max Ward

242

FACULTY, 1997-98

Jimmie D. Agnew, 1985
Associate Professor of Science Education
 B.A., George Washington University;
 M.S.S.T., Ph.D., The American University

Aqueil Ahmad, 1991
Adjunct Assistant Professor of Sociology
 B.S., M.S., Ph.D., Aligarh Muslim
 University, Aligarh, India

Mark R. Albertson, 1978
Assistant Professor; Registrar
 B.B.A., Fort Lauderdale University

James T. Allis, Jr., 1995
Assistant Professor of Mathematics
 B.S., SUNY College of Arts and Sciences
 at Potsdam; M.A., Ph.D., University of
 South Carolina

Robert G. Anderson Jr., 1984
Associate Professor of Political Science
 B.A., St. Andrews Presbyterian College;
 M.A., Ph.D., candidate, The American
 University

Addison Williams Andrews, 1997
Assistant Professor of Physical Therapy
 B.S., M.S., University of North Carolina
 at Chapel Hill

Andrew J. Angyal, 1976
Professor of English
 B.A., Queens College, CUNY; M.A.,
 Yale University; Ph.D., Duke University

Patrick S. Apke, 1996
Instructor in HPEL
 B.S., Carson-Newman; M.S., Louisiana
 Tech University

Thomas E. Arcaro, 1985
Professor of Sociology
 B.A., Ohio State University;
 M.S., Ph.D., Purdue University

Malvin N. Artley, 1963
Adjunct Professor of Music
 B.Mus., Shenandoah Conservatory
 of Music; M.Mus., Cincinnati
 Conservatory; D.F.A., Chicago Musical
 College; Roosevelt University

Martin H. Baker, 1980
*Assistant Professor of Physical Education
 and Health; Athletic Trainer*
 B.S., SUNY at Brockport;
 M.S., Indiana State University

Gary B. Bailey, 1994
Assistant Professor of Human Services
 B.A., Appalachian State University;
 M.S.W., University of North Carolina at
 Chapel Hill; Graduate Studies, University
 of North Carolina at Greensboro

William H. Barbee, 1970
Associate Professor of Mathematics
 B.S., Wofford College; M.Math.,
 University of Tennessee; Graduate
 Studies, University of Georgia

James L. Barbour, 1990
*Associate Professor of Economics;
 Chair, Department of Economics*
 B.B.A., M.A., Ph.D., University of
 Kentucky

Laurence A. Basirico, 1983
*Professor of Sociology;
 Chair, Department of Sociology*
 B.A., Hofstra University; M.A., Ph.D.,
 SUNY-Stony Brook

Grace S. Bass, 1994
Associate Professor of Education
 B.A., Salem College; M.Ed., Memphis
 State University; Ed.D., Arizona State
 University

T. Nim Batchelor, 1990

*Assistant Professor of Philosophy,
Chair, Department of Philosophy*
B.A., Texas Tech University; M.A.,
Ph.D., University of Nebraska

Robert C. Baxter, 1959

*Associate Professor of Business Law;
College Attorney A.B., Elon College;
J.D., Duke University*

Glenda W. Beamon, 1989

*Associate Professor of Education;
Director of M.Ed. Program; Chair,
Department of Education*
B.A., M.Ed., Ed.D., University of
North Carolina at Greensboro

Dale J. Becherer, 1995

Assistant Professor of Theatre
B.A., University of California,
Los Angeles; M.F.A., University of Illinois
Champaign/Urbana

Timothy D. Beckman, 1996

Instructor in HPEL
B.S., University of Findlay;
M.Ed., Auburn University

Barry B. Beedle, 1978

*Professor of Health, Physical Education
and Leisure/Sport Management*
B.S., M.S., Mississippi State University;
Ed.D., University of Mississippi

Jonathan W. Berry, 1996

Assistant Professor of Computing Sciences
B.A., The American University; M.S.,
Ph.D., Rensselaer Polytechnic Institute

Helen M. Binkley, 1996

Assistant Professor of Sports Medicine
B.S., M.S., University of Delaware; Ph.D.,
Temple University

James S. Bissett, 1990

Associate Professor of History
B.A., Oklahoma Baptist University;
M.A., Western Carolina University;
Ph.D., Duke University

Robert G. Blake, 1968

William S. Long Professor of English
A.B., Harvard University;
M.A., Ph.D., Duke University

R. Lamar Bland, 1967

Professor of English
B.A., Wake Forest University;
M.A., University of North Carolina;
Ph.D., University of North Carolina
at Greensboro

Sankey L. Blanton

Adjunct Instructor in Physics
B.S., U.S. Naval Academy; M.S.,
University of North Carolina at Chapel Hill

Anne Bolin, 1988

Associate Professor of Sociology
B.A., M.A., Ph.D., University
of Colorado, Boulder

K. Wilhelmina Boyd, 1987

Associate Professor of English
B.A., Bennett College; M.A.,
North Carolina Central University

Kevin B. Boyle, 1992

Assistant Professor of English
B.A., University of Pennsylvania;
M.A., Boston University;
M.F.A., Ph.D., University of Iowa

Barry A. Bradberry, 1975

*Assistant Professor; Associate Dean
of Admissions and Financial Planning*
A.A., Chowan College; A.B., Elon
College; M.Ed., University of North
Carolina at Greensboro

Chyrise B. Bradley, 1997

Adjunct Instructor in Biology
B.S., Wake Forest University; M.A.,
University of North Carolina at Chapel Hill

David A. Bragg, 1970

*Professor of Music,
Chair, Department of Music*
B.S., Concord College;
M.M.E., Ph.D., Florida State University

Stephen E. Braye, 1989

*Associate Professor of English,
Associate Director of Writing Program*
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B.A., Furman University; M.S.M.,
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Graduate Studies, University of North
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Professor of Music

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Associate Professor of Statistics
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Index

A	Absence From Tests and Examinations.....	74	Campus and Facilities.....	11	265
	Academic Advising Center	31	Campus Living	36	
	Academic Program	19	Campus Safety and Police	37	
	Academic Standing	76	Career Planning	30	
	Academic Support Services.....	31	Career Services	30	
	Acceptance on Condition	50	CHEMISTRY	104	
	Access to Student Educational Records	76	Classification	71	
	ACCOUNTING AND FINANCE.....	83	College-Level Examination Program (CLEP)	51	
	Accreditation	8	COMMUNICATIONS. See JOURNALISM AND COMMUNICATIONS		
	Admission Requirements	47	Communications Media.....	43	
	Admissions, Finances and Financial Aid.....	47	Communications with Elon College	3	
	Advanced Placement Examination.....	50	Computer Facilities	31	
	African American Resource Room	39	COMPUTING SCIENCES	109	
	AFRICAN/AFRICAN-AMERICAN STUDIES.....	86	COOPERATIVE EDUCATION	112	
	ANTHROPOLOGY	222	Costs Covered by Tuition	51	
	Application Procedures	47	Course Load.....	71	
	ART	87	Courses	83	
	ASIAN/PACIFIC STUDIES	90	Credit by Examination	72	
	Athletic Facilities	14	Credit for Veterans	29, 51	
	Athletics, Intercollegiate.....	45	CRIMINAL JUSTICE	113	
	Attendance	73	Cultural Life	38	
	Auditing Courses	72			
B	Bachelor's Degree Requirements.....	80	D	DANCE	114
	BIOLOGY AND ALLIED HEALTH	91		Degrees and Major Fields	79
	Medical Technology.....	93		Degrees and Major Fields of Concentration	19
	BUSINESS ADMINISTRATION	98		Department Examination	51
C	Calendar.....	4		Directory & Appendices	241
	Academic Calendar	8		Dismissal	77
	Campus	11		DRAMA. See THEATRE ARTS	
				Dropping Courses	72

E arly Decision Plan, The	48
ECONOMICS	117
EDUCATION	120
ELEMENTARY EDUCATION	122
MIDDLE GRADES EDUCATION	122
SECONDARY EDUCATION	125
SPECIAL EDUCATION	124
SPECIAL SUBJECT AREAS (K-12) ..	126
Elon 101	24
Elon Experiences Transcript, The	27
Employment Services	30
Endowed Athletics Scholarships. See Scholarships: Endowed Athletics Scholarships	
Endowed Scholarships. See Scholar- ships: Endowed Scholarships	
Endowment and Sources of Income ..	68
ENGLISH	130
Enrichment Programs	27
Entrance Examinations	48
ENVIRONMENTAL STUDIES	140
Evening School	23
Expenses for the 1998-99 Academic Year. See Tuition	
Experiential Learning	149

F acilities	12
Faculty, 1997-98	242
Financial Aid	57
Elon College Programs	58
Federal Programs	57
Financial Assistance Based on Need	57
Financial Assistance Not Based on Need	58
Loan Options That Are Not Based on Need	61
Need-based Endowed Scholarships	58
State Programs	58
FINE ARTS	142
FOREIGN LANGUAGES	143
CHINESE	145
FRENCH	145
GERMAN	146
GREEK	146
JAPANESE	146
SPANISH	147

G ENERAL STUDIES	148
General Studies	20
GEOGRAPHY	149
Grade Point Average (GPA)	75
Grade Reports	75
Grades and Reports	74
Graduate Degree Requirements	233
Graduate Programs. See Tuition: Graduate Programs	
Graduation Fees. See Tuition: Graduation Fees	
Graduation With Honors	75

H EALTH EDUCATION	150
HEALTH, PHYSICAL EDUCATION AND LEISURE	150
Health Service	35
High School Credit Bank Program	24
HISTORY	162
History of Elon College	6
Honor Societies	40
Honors Program, The	25
HUMAN SERVICES	168

I NDEPENDENT MAJOR	171
Independent Study	72
Intercollegiate Athletics. See Athletics, Intercollegiate	
International and Multicultural Exposure	28
International Students	50
INTERNATIONAL STUDIES	172
Internship and Co-op Opportunities ..	28
Internships or Co-ops	30
Introduction	5-9
Isabella Cannon Leadership Program, The	26

J efferson-Pilot Business Fellows Program, The	27
JOURNALISM AND COMMUNICATIONS	174
Broadcast	175

Corporate	175
Film	175
Journalism	174
Judicial System	37

L LaRose Resources Center	31
Leaders for the Twenty-First Century Programs	24
Leaders for the Twenty-First Century Scholarships. See Scholarships: Leaders for the Twenty-First Century Scholarships	
Leadership Development	28, 40
LEISURE/SPORT MANAGEMENT	153
Library	31
Location	11

M Major, The	81
Martha and Spencer Love School of Business, The	21
Master of Business Administration (MBA)	233
Admissions Policy	233
Basic Requirements	233
Degree Requirements	234
Master of Education (M.Ed.)	234
Admissions Policy	234
Basic Requirements	235
Degree Requirements	235
Elementary Education (K-6)	235
Special Education (K-12)	236
Master of Physical Therapy (MPT)	237
Admissions Policy	237
Basic Requirements	238
Degree Requirements	238
MATHEMATICS	181
Meal Plan, The	52
MEDICAL TECHNOLOGY. See BIOLOGY AND ALLIED HEALTH	
Military	29
MILITARY SCIENCE	186
Minor Fields of Concentration	19
Minor, The	82
Minority Affairs	39
Mission of Elon College, The	5

Moseley Center	16, 39
MUSIC	189
Music Education	189
Music Performance	190
MUSIC THEATRE	194

N New Student Orientation. See Orientation, New Student	
NON-VIOLENCE STUDIES	196
North Carolina Teaching Fellows Program	24

267

O Orientation, New Student	37
Overload	73

P Part-Time Enrollment/Day Students and All Evening School. See Tuition: Part-Time Enrollment/ Day Students and All Evening School	
Pass/Fail Elective Courses	73
Payment Options	62
Personal Counseling	35
PHILOSOPHY	197
PHYSICAL EDUCATION	154
PHYSICS	200
POLITICAL SCIENCE	204
Pre-professional Programs	21
Pre-dental	22
Pre-engineering	22
Pre-law	22
Pre-medical	22
Pre-ministerial	23
Presidential Scholarships. See Scholarships: Presidential Scholarships	
President's and Dean's Lists	75
Probation	76
Professional Programs	21
PSYCHOLOGY	208
PUBLIC ADMINISTRATION	211

R Recreation, Campus	43
Recreational Areas	15
Refunds	55

Registration	71
Religious Life	39
RELIGIOUS STUDIES	213
Repeat Courses	73
Residence Halls	13
Room Reservation and Security Deposits	36
ROTC	29

268

S cholarships	
Endowed Athletics Scholarships	67
Endowed Scholarships	62
Leaders for the Twenty-First Century Scholarships	66
Presidential Scholarships	67
SCIENCE EDUCATION	216
Science Fellows, The	27
Service Learning	28, 40
SOCIAL SCIENCE	220
SOCIOLOGY	221
Special Needs Students	31
Special Students	49
Special/Optional Fees. See Tuition: Special/Optional Fees	
SPORTS MEDICINE	159
Student Government Association	37
Student Life	35
Student Organizations	42
Student Union Board	38
Study Abroad	28
Support Facilities	15
Suspension	76

T HEATRE ARTS	227
Traditional Events	45
Transcripts of Student Records	76
Transfer Admission	49
Transfer Credit	49
Transitional Program	23
Travel Information	17
Tuition	
Expenses for the 1998-99 Academic Year	53
Full-Time Enrollment/Day Students (12-18 hours)	53
Graduate Programs	54
Graduation Fees	54
Miscellaneous	54
Part-Time Enrollment/Day Students and All Evening School	53
Special/Optional Fees	54
Tutoring, Free Peer	23

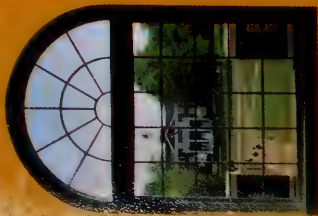
U ndergraduate Research	28, 73
--------------------------------------	--------

V isitor Information	17
-----------------------------------	----

W ho's Who	43
Withdrawal	77
WOMEN'S STUDIES/GENDER STUDIES	230
Work at Other Institutions	76
Writing Program	23



ELON COLLEGE



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A photograph of a young woman with sunglasses and a young man smiling, standing in front of a large, classical-style building with columns. The image is framed by a thin red border.

— 2000

ELON COLLEGE ACADEMIC CATALOG





ELON

C O L L E G E

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ON COLLEGE NORTH CAROLINA 27244

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Elon Vol. 110—September 1999 (UPS 076-160) Published annually at Elon College, NC 27244. Elon College does not discriminate on the basis of race, color, creed, sex, national or ethnic origin, disability, or veteran status in the recruitment and admission of students, the recruitment and employment of faculty and staff or the operation of any of its programs. Students with documented disabilities may request in writing reasonable special services and accommodations. The college's Section 504 coordinator for students is Dr. Smith Jackson, Alamance 118, (336) 584-2565 and for applicants and current employees is Mr. Ronald Klepcyk, 521 E. Haggard Ave., (336) 584-2215. Elon's Title IX coordinator is Dr. Alan White, Koury Center 201, (336) 584-2420.

Elon College reserves the right to add or drop programs and courses, to institute new requirements when such changes are desirable, and to change the calendar that has been published. Every effort will be made to minimize the inconvenience such changes might create for students.

Contents

1

Communications with Elon College	3	Student Life	35
Calendar	4	Student Service	35
Introduction	5	Room Reservation and Security Deposits	36
The Mission of Elon College	5	New Student Orientation	37
History	6	The Student Government Association	37
Students	7	Judicial System	37
Faculty	7	Campus Safety and Police	37
Programs	7	Cultural Life	38
Academic Calendar	8	The Student Union Board	38
Accreditation	8	Moseley Center	38
Campus and Facilities	11	Religious Life	39
Location	11	Minority Affairs	39
Campus	11	African American Resource Room	39
Facilities	12	El Centro de Espanol	39
Athletic Facilities	14	Leadership Development	40
Support Facilities	15	Service Learning	40
Visitor Information	17	Honor Societies	40
Travel Information	17	Student Organizations and Activities	42
Academic Program	19	Communications Media	43
Degrees and Major Fields of Concentration	19	Who's Who	43
Minor Fields of Concentration	20	Campus Recreation	43
General Studies	20	Intercollegiate Athletics	45
The Martha and Spencer Love		Traditional Events	45
School of Business	21	Admissions, Finances and Financial Aid	47
Professional Programs	21	Admissions	
Pre-professional Programs	21	Freshman Application Procedures	47
Evening School	23	Freshman Admission Requirements	48
Transitional Program	23	Freshman Admission Notification	48
Peer Tutoring	23	The Early Decision Plan	48
Writing Program	23	Transfer Admission	49
Elon 101	23	Transfer Credit	49
High School Credit Bank Program	24	International Student Admission	50
Leaders for the Twenty-First Century Programs	24	Enrollment Deposit for all Resident Students	50
Enrichment Programs	27	Refund Policy	50
Study Abroad	28	Enrollment Deposit for all	
Independent Study and Research	29	Commuter Students	51
Military	29	Residency Requirement	51
Career Center	29	Special Students	51
Academic Support Services	30	Acceptance on Condition	51
		Advanced Placement Examination	52

International Baccalaureate	52	DRAMA	116
College-Level Examination Program (CLEP) ..	52	ECONOMICS	117
Department Examination	52	EDUCATION	122
Credit for Veterans	52	ENGINEERING	132
Finances		ENGLISH	134
General Costs	52	ENVIRONMENTAL STUDIES	144
Costs Covered by Tuition	52	FINE ARTS	146
The Meal Plan	53	FOREIGN LANGUAGES	147
Book Expenses	53	GENERAL STUDIES	152
Room Change Charge	53	GEOGRAPHY	154
Expenses for the 1999-2000 Academic Year	54	HEALTH EDUCATION	155
Refunds	56	HISTORY	157
Financial Aid		HUMAN SERVICES	163
Financial Assistance Based on Need	58	INDEPENDENT MAJOR	167
Financial Assistance Not Based on Need	60	INTERNATIONAL STUDIES	168
Loan Options That Are Not Based on Need	62	JOURNALISM AND	
Payment Options	63	COMMUNICATIONS	170
Endowed Scholarships	63	LEISURE/SPORT MANAGEMENT	178
Presidential Scholarships	68	MATHEMATICS	179
Leaders for the Twenty-First Century		MEDICAL TECHNOLOGY	184
Scholarships	68	MILITARY SCIENCE	184
Endowed Athletics Scholarships	69	MUSIC	187
Endowment and Sources of Income	70	MUSIC THEATRE	192
General Academic Regulations	71	NON-VIOLENCE STUDIES	194
Registration and Courses	71	PHILOSOPHY	195
Grades and Reports	74	PHYSICAL EDUCATION	198
Academic Standards and Withdrawal	76	PHYSICS	202
Academic Regulations	79	POLITICAL SCIENCE	206
Undergraduate Degree Requirements	79	PSYCHOLOGY	210
Degrees and Major Fields	79	PUBLIC ADMINISTRATION	213
Bachelor's Degree Requirements	80	RELIGIOUS STUDIES	216
The Major	82	SCIENCE EDUCATION	218
The Minor	82	SOCIOLOGY	222
Courses	83	SPORTS MEDICINE	228
ACCOUNTING AND FINANCE	83	THEATRE ARTS	231
AFRICAN/AFRICAN-AMERICAN		WOMEN'S STUDIES/GENDER STUDIES	235
STUDIES	86	Graduate Degree Requirements	237
ART	87	Degrees and Major Fields	237
ASIAN/PACIFIC STUDIES	90	Master of Business Administration (MBA)	237
BIOLOGY AND ALLIED HEALTH	92	Master of Education (M.Ed.)	238
BUSINESS ADMINISTRATION	99	Master of Physical Therapy (MPT)	241
CHEMISTRY	104	Directory and Appendices	245
COMMUNICATIONS	109	Faculty, 1998-99	246
COMPUTER SCIENCES	109	Administrative Officers and Staff	258
COOPERATIVE EDUCATION	112	Retired Faculty and Administration	266
CRIMINAL JUSTICE	113	Index	269
DANCE	114		

Communications with Elon College

3

This bulletin contains pertinent information about the college, its philosophy, programs, policies, regulations and course offerings. All students and prospective students are urged to read it carefully and completely. Please direct correspondence to the appropriate individuals listed below:

President

- General information

Provost /Vice President for Academic Affairs

- Administrative and student life policies
- Long-range plans
- Academic program
- Academic work of students in college
- Faculty positions
- Special programs

Vice President for Enrollment Management/Dean of Admissions and Financial Planning

- Admissions
- Requests for undergraduate applications, catalogs or bulletins
- Scholarships, student loans and student employment
- Publications/public relations

Director of Graduate and International Admissions

- Admissions
- Requests for applications, catalogs or other information

Vice President for Student Life/Dean of Students

- Housing
- Student life

Vice President for Business and Finance

- Administrative services
- Payment of student accounts
- Inquiries concerning expenses

Vice President for Institutional Advancement

- Contributions, gifts or bequests
- Estate planning

Director of Career Center

- Career options for students and alumni
- Employment for students and alumni

Registrar

- Requests for transcripts
- Evaluation of transfer credits
- Student educational records

Director of Alumni and Parent Relations

- Alumni affairs
- Parent relations

Director of Academic Advising

- Course scheduling
- Academic counseling

Calendar

4 Fall Semester 1999

August 27 (Friday)	Orientation
August 28 (Saturday)	Orientation; Evening School Registration
August 30 (Monday)	Registration
August 31 (Tuesday)	Drop-Add Day
September 1 (Wednesday)	Classes Begin
September 7 (Tuesday)	Last Day for Late Registration
October 15 (Friday)	Mid-Semester Reports Due at 3:00 p.m.
October 15 (Friday)	Fall Break Begins at 2:20 p.m.
October 20 (Wednesday)	Fall Break Ends at 8:00 a.m.
October 25 (Monday)	Last Day for Dropping Course with "W"
November 1 (Monday)	Last Day to Remove Incomplete "I" and "NR" Grades
November 3 (Wednesday)	Preregistration Begins for Winter Term & Spring Semester 2000
November 23 (Tuesday)	Thanksgiving Holiday Begins Following Evening Classes
November 29 (Monday)	Thanksgiving Holiday Ends at 8:00 a.m.
December 7 (Tuesday)	Classes End
December 8 (Wednesday)	Reading Day
December 9-14 (Thurs-Tues)	Examinations
December 17 (Friday)	Grades Due at 10:00 a.m.

Winter Term 2000

January 3 (Monday)	Registration (1:00-4:00 p.m.)
January 4 (Tuesday)	Classes Begin
January 5 (Wednesday)	Last Day for Late Registration

January 13 (Thursday)	Last Day for Dropping Course with "W"
January 17 (Monday)	Martin Luther King Jr. Holiday
January 24 (Monday)	Classes End
January 25 (Tuesday)	Examinations
January 26 (Wednesday)	Grades Due at 3:00 p.m.

Spring Semester 2000

January 31 (Monday)	Registration
February 1 (Tuesday)	Drop-Add Day
February 2 (Wednesday)	Classes Begin
February 8 (Tuesday)	Last Day for Late Registration
March 17 (Friday)	Mid-Semester Reports Due; Spring Break Begins at 2:20 p.m.
March 27 (Monday)	Spring Break Ends at 8:00 a.m.
March 28 (Tuesday)	Last Day for Dropping Course with "W"
April 5 (Wednesday)	Assessment Day/SURF
April 6 (Thursday)	Last Day to Remove Incomplete "I" and "NR" Grades
April 10 (Monday)	Preregistration Begins for Summer and Fall 2000
May 9 (Tuesday)	Classes End
May 10 (Wednesday)	Reading Day (Evening Exams Begin)
May 11-16 (Thurs-Tues)	Examinations
May 17 (Wednesday)	Senior Grades Due By 9:00 a.m.
May 19 (Friday)	Grades Due at 10:00 a.m.
May 20 (Saturday)	Commencement; Last Day of School

Summer School 2000 TBA

Introduction

Elon College is a coeducational, residential, church-related college situated on a spacious campus in the heart of the Piedmont near Burlington, North Carolina. Named for the Hebrew word for “oak,” the college is located in what was once an oak forest, and many of these majestic trees still grace Elon’s campus.

The third largest of the 36 private colleges and universities in North Carolina, Elon offers a wide range of choices in academics and campus activities, yet is small enough to allow students to feel a sense of personal involvement and interaction with faculty members and fellow students.

The Mission of Elon College

Motivated by the beliefs and spiritual values that have grown out of its founding by the historic Christian Church, Elon offers men and women a liberal arts education that enriches them as human beings, prepares them for the choice of a profession and for service to their communities. Within this context, Elon College also offers selected career-oriented majors and graduate programs to facilitate professional development.

In accordance with the provisions of the charter, Elon College aims to provide its students the opportunity to develop:

- a personal philosophy of life which will be reflected in a sense of integrity, high ethical standards, and significant religious insights and practice;
- an understanding of their responsibilities and rights as citizens in a democratic society, and a recognition of the intrinsic worth of all individuals;
- an informed respect for the differences among cultures as well as an understanding of the interdependence of world conditions and of the need for individual and collective responsibility for the environment;
- a love of learning and sensitivity to aesthetic values sufficient to stimulate continued intellectual and cultural growth;
- the ability to gather information, to think critically, logically, and creatively, and to communicate effectively;
- a basic knowledge of the humanities, natural sciences and social sciences, and an appreciation of their interrelationships;
- a level of competence in at least one field of knowledge sufficient to provide depth of intellectual perspective and preparation for graduate study or professional activity;

- an understanding of the principles of mental and physical health essential for developing a lifestyle of wholeness and well-being;
- an appreciation of the potential for lifelong personal growth and professional development which their own distinct abilities and aptitudes provide.

In keeping with these educational objectives, Elon College recognizes its broader responsibilities as an institution of higher learning. The college supports scholarly and artistic expression by providing the conditions for serious intellectual work by both students and faculty. It furthermore promotes open and honest inquiry, respect for persons of all circumstances, sensitivity to diverse cultural traditions, an understanding of the economic environment, an appreciation for the value of work and habits of democratic citizenship. As participants in a community of learners, all members of the college are expected to enact the ideals of personal integrity and public responsibility.

6

History

Elon College was founded by the Christian Church (now United Church of Christ) in 1889. Two schools were forerunners of Elon College: The Graham College, established in 1851 in Graham, North Carolina; and the Suffolk Collegiate Institute, established in 1872 in Suffolk, Virginia. In 1888, the Southern Christian Convention, now a part of the United Church of Christ, voted to establish Elon College. Since its founding, eight presidents have provided the leadership essential for progress.

The site of the new college was known as Mill Point, located four miles west of Burlington, North Carolina. In its early years, Elon survived many difficulties. The student body population was severely reduced during World War I, and a major fire in 1923 destroyed most of the campus buildings. Within three years, a new campus emerged from the ruins: The five central buildings, including Alamance, were built at this time. The Great Depression and World War II also created challenges for the college.

The decades following World War II brought physical growth and academic development. As enrollment increased, new buildings went up and the college expanded beyond its brick walls. Students from half of the states in the Union, as well as from foreign countries, gave the college a regional complexion.

Elon experienced a decade of unprecedented growth during the 1980s. During this time, applications doubled and enrollment increased 35 percent, making Elon one of the fastest-growing colleges in the region. Dozens of academic and student life programs were added to enrich the quality of an Elon education. Special classes and volunteer programs were developed to provide students with leadership and service opportunities. In fall 1984, the college began offering a master of business administration degree, in the fall 1986, a master of education degree and in the fall 1997, a master of physical therapy degree. The college physical plant grew during the 1980s as well. Total campus acreage doubled, and square footage of buildings increased 73 percent. The college also made major investments in computer and library technology and equipment for the sciences and communications.

During this time, financial support for the college was strong, with annual revenues increasing more than 200 percent. Counted among Elon's most loyal benefactors are the alumni: 24 percent make a gift to the college each year, placing Elon among the top private colleges and universities in alumni participation.

Elon's forward momentum has continued in the 1990s. In an effort to further enhance teaching and academic excellence, the college revised the General Studies curriculum in 1994, converted to a four semester-hour structure, initiated a masters program in physical therapy and added significant new facilities; Moseley Center, a 74,000-square-foot campus center; Koury Center, a renovated physical education, athletic, recreation complex; the new 81,000-square-foot Dalton L. McMichael Sr. Science Center and the new 75,000-square-foot Carol Grotnes Belk Library.

7

As a result of these accomplishments, Elon was ranked in the top quartile of Southern regional colleges and universities in the 1998 *U.S. News and World Report* "America's Best Colleges" guidebook.

Although there have been many changes through the years, Elon remains church-related rather than church-controlled. It embraces general Christian principles and values as an appropriate foundation for the development of human personality and social order.

Students

From its initial enrollment of 108 students, Elon's student body has grown steadily. Elon's 3,641 undergraduate and 204 graduate students come from 40 states and 22 foreign countries. In 1998, 28 percent of Elon students were from North Carolina and 72 percent were from out-of-state. Slightly more than half of the students are women, and the student body includes several racial and socio-economic groups. Elon College admits students of any race, color, sex, national or ethnic origin and disability without discrimination. This diversity enriches the life of the community and reflects the nature of American society itself.

Faculty

Elon students benefit from a dedicated staff and an outstanding faculty whose primary concern is teaching. Faculty members have been chosen because of their academic preparation, individual initiative and commitment to excellence in teaching. Approximately 84 percent hold the highest degree in their fields. Many of Elon's faculty demonstrate their satisfaction with the college with long years of service. With a student to faculty ratio of 16.4:1, Elon chooses to remain small so that the relationship between faculty and students is friendly, informal and lasting.

Programs

Elon College believes that the study of liberal arts prepares students for rewarding, meaningful lives. Its programs are designed to challenge students to excel intellectually, to pursue self-fulfillment and to learn the meaning of service to others.

The academic program provides opportunities for each student to develop a mature proficiency in the use of the English language, an awareness of history and

an appreciation of cultural, social and scientific achievements. The General Studies courses give students the breadth and background needed for mature intellectual development and a lifetime of learning and leadership. The upper-level courses allow students to concentrate in areas of special interest and in professional and career-oriented branches of learning. To meet such individual needs, the academic program includes such features as independent study, study abroad opportunities, internships and cooperative education.

Elon College complements the classroom through a broad range of activities and student life programs that encourage students to find their personal identities, refine their social skills, broaden their perspectives and create lifelong friendships.

8

Academic Calendar

The college's academic year is divided into a 4-1-4 calendar. The fall semester is a four-month term, ending before Christmas holidays, followed by a one-month winter term and a four-month spring semester. The one-month winter term offers opportunities for study abroad, internships and service programs in addition to specialized courses on campus. Evening classes are offered and a summer session is held each year.

The calendar is designed to meet the needs of: (1) full-time students who plan to complete degree requirements within four years, (2) part-time students, (3) high school seniors who wish to take one or two college-level courses, (4) members of the community who desire further educational work in day or evening classes, and (5) those who seek a graduate degree in business (MBA), education (M.Ed.) or physical therapy (MPT). Summer school serves the same groups and, in addition, provides an opportunity for new students or students enrolled in other colleges to more quickly complete their degree requirements. Students entering the graduate program in Physical Therapy are seated each January to begin the twenty-eight-month program.

Accreditation

Elon College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award bachelor's and master's degrees.

Elon's education program is accredited by the National Council for Accreditation of Teacher Education and by the North Carolina State Department of Public Instruction.

The college is a member of the following associations:

- The American Council of Education
- The American Association for Higher Education
- The American Association of Colleges for Teacher Education
- The Association of American Colleges
- The North Carolina Association of Colleges and Universities
- The North Carolina Association of Independent Colleges and Universities
- The National Association of Independent Colleges and Universities

- The European Council of International Schools
- Association of Independent Liberal Arts Colleges for Teacher Education
- National Council for Accreditation of Teacher Education
- Independent College Fund of North Carolina
- The Council of Independent Colleges
- The Council for Higher Education of the United Church of Christ
- The American Assembly of Collegiate Schools of Business



Campus and Facilities

Location

11

Fifteen miles west of Elon College, along Interstate 85/40, is the thriving city of Greensboro. To the east is Research Triangle Park, internationally known for its intellectual resources and for scientific research conducted by companies and organizations in the fields of computer technology, genetic engineering and other areas. Near Research Triangle Park are Duke University in Durham, the University of North Carolina at Chapel Hill and North Carolina State University in Raleigh. Rich cultural resources affiliated with four larger cities and 12 colleges are within an hour's drive of the campus. Thus, the Elon College community enjoys the lifestyle of a relatively small institution yet benefits from being centrally located close to major institutional and urban resources.

Campus

Elon's historic campus is beautiful, spacious and rich in trees and stately brick buildings. The campus is adjacent to the business district of the town of Elon College and is bounded by residential areas. The college is designed and equipped to serve its living and learning community with 24 academic and administrative buildings and 45 residence halls. The current living and dining facilities serve approximately 2,270 students who live on campus.

Elon has completed extensive building and improvement projects in recent years. New buildings include a science building, a premier library, a campus center, student housing and a fitness center. Extensively renovated buildings include a gymnasium/athletic complex, the business school, dining halls and residence halls.

The new science center, an 81,000-square-foot state-of-the-art facility, brings together the undergraduate science programs and the new master of physical therapy program. Students have ready access to computers, high-tech instruments and research labs. The new 75,000-square-foot library puts information at students' fingertips, whether it be accessed by traditional books or advanced electronic technology.

Moseley Center is the hub of student activity. It features office space for student organizations, cultural resource centers, mail services, the campus bookstore, a café, a game room, a large auditorium and several lounges.

A major renovation and addition created Koury Center, which features a 2,500-seat gymnasium, a smaller gym, a pool and a popular fitness center.

Facilities

Administrative and Classroom Buildings

- *Alamance Building* houses administrative offices and classrooms. Citizens of Alamance County contributed the money to build this structure in 1925 after the old administration building was destroyed by fire in 1923. The Alamance Building was extensively renovated in 1981. The area in front of Alamance Building is called Scott Plaza and is the gift of Ralph H. Scott, former State Senator and a former member of the Elon College Board of Trustees, in memory of his wife, Hazeleene Tate Scott. In the center of the plaza is Fonville Fountain, a gift of Rudy M. and Frances (Turner) Fonville '28. The fountain and plaza were completed in 1982.
 - *Carlton Building* was the gift of three trustees of the college: P.J. Carlton, H.A. Carlton and L.E. Carlton, and their sister, Mrs. J. Dolph Long. The Carlton Building was built in 1925 and extensively renovated in 1991. This structure houses three large lecture halls, state-of-the-art multi-media equipment, classrooms, faculty offices and the Academic Computing Center.
 - *Dalton L. McMichael Sr. Science Center* opened in 1998. Programs housed in the science center are biology, physics, chemistry and the master of physical therapy. This state-of-the-art facility is equipped with over 70 computers, 27 high-tech instruments such as a nuclear magnetic resonance spectrometer and a scanning electron microscope. The building features 17 teaching labs, 14 student research labs, classrooms, faculty offices and 11 reading and conference rooms.
 - *Duke Building* houses the Departments of Mathematics and Computing Sciences, Financial Planning and the Career Center occupy the first floor. In memory of their mother, Mrs. Artelia Roney Duke, J.B. Duke and B.N. Duke contributed to the cost of erecting this building, dedicated in 1927. The entire building underwent renovations in 1998.
 - *Faith Rockefeller Model Center for the Arts* was opened for the 1987-88 academic year. In addition to classroom and office facilities for the art, music, drama, communications and dance programs, the 70,000-square-foot facility features a theater, a recital hall and a fully equipped television studio. This facility was named in honor of the mother of Elon alumnus and trustee Bob Model '67.
- John A. and Iris McEwen McCrary Theatre* is a 600-seat theatre that has played host to such performers as Preservation Hall Jazz Band, Shanghai Acrobats and Dance Theatre, New Vic Theatre of London, Reynolds Price, American Repertory Ballet Company and many student productions.
- Frances Council Yeager Recital Hall* seats 125, offering a more intimate setting for student, faculty and guest recitals as well as lectures and panel discussions.
- *Holland House* is the former residence of the college president. Constructed in 1963, it is located at 301 East Haggard Avenue. It was named in memory of Shirley T. Holland, a longtime college trustee, by Mrs. Holland and their sons. The facility currently houses the Institutional Advancement, Development, and Alumni and Parent Relations offices.

- *William S. Long Building* houses the Martha and Spencer Love School of Business. Renovated in 1995, it features an economics computer lab, classrooms, a student/faculty lounge and offices for accounting, business and economics faculty. Constructed in 1966, the building was named in memory of William S. Long, first president of the college.
- *Mooney Building* was donated to Elon in 1926 by M. Orban Jr., in memory of his father-in-law, the Reverend Issac Mooney. This building is undergoing renovation and will become home for the Department of Education as well as classroom and faculty offices.
- *The Caroline Powell Building*, named in honor of Miss Caroline Powell, was completed in 1970. In 1991 with a bequest from Harvey Mebane Allen, major renovations were made to the first floor, creating the Admissions Center. The second and third floors contain classrooms and faculty offices.
- *Whitley Memorial Auditorium*, first used for Commencement in 1924, has a seating capacity of approximately 500. Faculty and administrative offices are located on the north end of the building.

Residence Halls

- *John Barney Hall* houses 48 students. This three-story brick building was dedicated in 1966 and named in memory of John W. Barney, who was a member of the Elon College faculty for 33 years.
- *Ned F. Brannock Hall*, housing 48 students, is a three-story brick structure named in memory of Dr. Ned F. Brannock, a member of the Elon College faculty for more than 50 years. It was dedicated in 1966.
- *Carolina Hall*, built in 1956, houses 125 students. Congregational Christian Churches in North Carolina pledged the funds for this three-story brick building. It was renovated in 1996.
- *Chandler Hall* houses 93 students. It was constructed in 1982 in honor of Wallace L. Chandler '49, a trustee of Elon College and senior vice president of Universal Leaf Tobacco Company Inc., of Richmond, Va.
- *Colclough Hall*, constructed in 1982, houses 108 students. It was named in memory of George D. Colclough '26 through a gift by Royall H. Spence Jr. '42 and his wife, Luvene Holmes Spence '43. Mr. Spence is a trustee emeritus of Elon College. Mr. Colclough was a trustee of Elon College and a well-known business leader in Burlington.
- *Danieley Center*, houses 300 students in flats (five new brick buildings completed in 1999) and 196 students in the former East Campus Apartments (six brick buildings completed in 1989). The Danieley Center includes a Commons Building that features a fireplace lounge, computer room and dining facility. The Danieley Center was named in honor of President Emeritus James Earl Danieley in 1998. He was Elon's sixth president serving from 1957 to 1973.
- *Elon Place* houses 82 students in Garden and Townhouse Apartments. These four brick buildings were renovated in the summer of 1998.

- *The Loy Center* houses 13 fraternities/sororities in six buildings which were completed in 1989 and six new fraternity/sorority residences were added in 1997. The Greek courtyard was named for Lib Apple Loy.
- *A.L. Hook Hall*, housing 40 students, was named for Dr. A.L. Hook who was a member of the Elon College faculty for more than 50 years. Built in 1966, it is a three-story brick residence hall.
- *The Jordan Complex* is named in honor of John M. Jordan, Alamance County businessman. Built in 1980 and 1984, the complex houses 268 students in two-room suites.
- *Maynard Hall* is a residence hall for 124 students. Constructed in 1982, it was named in honor of Reid and Grace Maynard. Mr. Maynard was a trustee of Elon College and chairman of the board of Tower Hosiery Mills, Burlington, North Carolina.
- *North Hall*, located near the Harper Center, houses 31 students.
- *Sloan Hall*, a three-story brick structure, built in 1960 and housing 91 students, was named in honor of Dr. W.W. Sloan and Bessie Pickett Sloan, members of the Elon College faculty for 25 years.
- *Leon Edgar Smith Hall* is a three-story residence hall built in 1957 to house 126 students. The building was named for Dr. L.E. Smith, former president of the college.
- *Staley Hall*, *Moffitt Hall*, *Harper Center* and *Harden Dining Hall* were completed in 1968. Staley Hall houses 201 students and Moffitt Hall, 101 students. The two residence halls are joined by Harden Dining Hall, which was expanded and renovated in 1995. These buildings were named in memory of Dr. W.W. Staley, Dr. E.L. Moffitt and Dr. W.A. Harper, three past presidents of Elon College. They are located on North Campus.
- *Virginia Hall*, a three-story brick structure built in 1956, houses 88 students. Congregational Christian Churches in Virginia pledged the money to pay for this residence hall.
- *West Hall* is a three-story brick structure adjacent to the Carlton Building. The oldest building on Elon's campus, it houses 84 female students.

Athletic Facilities

Koury Center

Named for the Koury family of Burlington, the Koury Center encompasses Alumni Memorial Gymnasium, Jordan Gymnasium, Beck Pool, Stewart Fitness Center and classrooms and offices for faculty and athletic staff. A sunlit, two-story concourse connects Alumni Memorial Gymnasium with Jordan Gymnasium, the pool and the fitness center.

- *Alumni Memorial Gymnasium* was built in 1949 as a memorial to Elon alumni who lost their lives in the two World Wars. The gymnasium, which seats 1,900 for sporting events, was extensively renovated in 1993 and will seat 2,500 for college convocations.

- *Stewart Fitness Center* – Completed in 1994, the 54,000-square-foot fitness center includes racquetball courts, weight rooms, an aerobic dance studio and a human performance lab, as well as locker rooms, classrooms and a commons area.
- *Beck Pool* – Built in 1970, the seven-lane, Olympic-size, indoor swimming pool was named in honor of A. Vance Beck.
- *Jordan Gymnasium* – Named for Sen. B. Everett Jordan, Jordan Gymnasium is used primarily for teaching and recreation. It was built in 1970.

Athletic Fields include 50 acres of practice and playing fields, situated around the campus. There is adequate space for all sports.

Bakatsias Soccer Field, provided in 1984 by George, Terry and Johnny Bakatsias in honor of their parents, is one of the finest soccer facilities in the area.

15

John Koury Field House was constructed in 1980 through the generosity of Ernest and Maurice Koury in memory of their father. The building provides dressing facilities for Elon's football and baseball teams as well as a modern training room, laundry facilities and coaches' dressing room.

Newsome Field is a modern baseball stadium donated in 1977 by Webb Newsome '37, and his wife, Jessie Cobb Newsome '36. A member of the Elon College Sports Hall of Fame, Webb Newsome was outstanding in baseball, football and boxing while at Elon.

Jimmy Powell Tennis Center, a 12-court, championship tennis complex, was built in 1988 and is one of the finest collegiate tennis complexes in the nation.

Rudd Field, a multipurpose athletic field named for Clyde Rudd Sr. '37, is used for football, softball and intramural sports.

Recreational Areas

- *Lake Mary Nell*, a five-acre lake near the center of campus, was named in honor of Mary Nell Jennings, daughter of Elon College trustee Maurice Jennings and Patricia Gabriel.
- *Elon College Lodge and Botanical Preserve* was acquired by the college in 1984. Located one mile from the campus, the 25-acre tract is a natural habitat and outdoor laboratory for botany, zoology and ecology students. In addition to the lodge building, there is a picnic shelter and a building that is used as a field classroom.

Support Facilities

East Building was acquired by the college in 1978. It is used for maintenance storage and central receiving. It also houses the office of the Director of Facilities Management. A gymnasium and dance studio are located in the facility.

R.N. Ellington Health Center provides health services for students and includes multiple examination rooms and offices for the professional staff.

Maynard House is the residence of the college president. It is located a short distance from campus. The home was bequeathed to the college through the estate of Reid and Grace Maynard in 1988.

McEwen Memorial Dining Hall, completed in 1956 and renovated in 1995, was built as a memorial to James H. McEwen, an industrial and civic leader in Burlington, North Carolina. The first floor accommodates more than 185 diners in a modern and attractive private dining room. On the second floor is a dramatic, new dining hall, large enough to accommodate 150 people. The marche dining approach was used for this facility.

Iris Holt McEwen Building is presently undergoing extensive renovations to house the communications department, the Office of Television Services and general offices and classrooms.

The Carol Grotnes Belk Library, completed in the summer of 1999, houses library and media services, the Tutoring and Writing Centers, academic computing, the Faculty Center and offices for the Honors and General Studies Programs. A wide range of print, electronic and audiovisual resources is available.

The LaRose Resources Center, was named in honor of Mr. and Mrs. Edgar H. LaRose and Mr. and Mrs. Robert E. Hettel, parents of Elon trustee Robert E. LaRose and his wife, Gail Hettel LaRose. Located in the new 75,000 square-foot library, the center provides instructional support to faculty, tutorial services to students, audiovisual materials and equipment, computer equipment and software and satellite TV services.

Moseley Center

Moseley Center is named in honor of Elon alumnus Furman Moseley and his wife, Susan. The 74,000-square-foot campus center, which opened in January 1995, is a place where students can relax and gather with friends. It features office space for student organizations, a center for learning conversational Spanish, the African-American Resource Center, mail services, the campus bookstore, a bank machine, the Octagon Cafe, the Black Box Theatre and a large multi-purpose auditorium. For entertainment, students can watch television on a large screen in one of four lounges, relax in front of the fireplace or visit the game room.

- *Resources for student organizations* — Moseley Center houses the Student Government Association and Student Union Board offices as well as the offices for other student organizations such as *The Pendulum* (newspaper), *Colonnades* (literary magazine), *Phi Psi Cli* (yearbook), *WSOE* (radio station) and *Elon Volunteers!*
- *McKinnon Hall*, named in honor of Elon trustee and alumnus Bob McKinnon '62 and his wife, Della, is a 500-seat auditorium that can be divided into as many as four smaller meeting rooms.
- *Octagon Cafe* offers a variety of food, including salads, hot and cold sandwiches, pizza, snacks and desserts. Students can choose to eat inside or outside on the brick terrace.

Some Elon College buildings, rooms, and facilities are named for individuals who contributed outstanding service to the institution. Facilities are usually marked with a brass plaque giving the date, the name of the facility, and in some cases, the

donor of the facility. As buildings and other facilities become obsolete or the needs of the college change, the brass plaques are added to the college archives, perpetually preserving the memory of those honored.

Visitor Information

Visitors to the college are welcome at all times. The administrative offices are open Monday through Friday from 8 a.m. until 5 p.m. The admissions office is also open Saturday from 9 a.m. until noon. Administrative officers and members of the faculty are available at other times by appointment made in advance. The telegraph address is Burlington, and the college is served by the Burlington telephone exchange. The number at the main switchboard is 336-584-9711, and the FAX number for admissions is 336-538-3986. The World Wide Web address is www.elon.edu.

17

Travel Information

Elon College is located in the town of Elon College, North Carolina, a community adjacent to Burlington, 15 miles east of Greensboro, 64 miles west of Raleigh, and close to Interstate 85/40. It is accessible to airline services in Greensboro and Raleigh/Durham. Amtrak serves Greensboro and Raleigh with daily connections to Burlington.



Academic Program

The academic program at Elon College prepares qualified students to enter graduate and professional schools or readies students to begin work in such fields as business, communications, teaching, public service and allied health. The bachelor's degree consists of a major field of concentration in the liberal arts or in a professional or pre-professional area, a general studies program and elective courses.

Degrees and Major Fields of Concentration

Elon offers courses leading to the graduate degrees of Master of Business Administration, Master of Education and Master of Physical Therapy and the undergraduate degrees of Bachelor of Arts, Bachelor of Fine Arts and Bachelor of Science.

The Master of Business Administration program requires 36 semester hours of graduate credit. Students are encouraged to apply regardless of undergraduate major. The Master of Education program requires 30-36 semester hours of graduate credit in Elementary Grades or Special Education. The Master of Physical Therapy requires 155 semester hours of graduate credit.

The Bachelor of Arts degree is awarded in the following fields: Art, Biology, Chemistry, Communications (Broadcast, Corporate and Film emphasis), Computer Science, Education (Elementary, Middle, Secondary—various subject areas, Special Education/Learning Disabilities), English, French, History, Human Services, Independent Major, International Studies, Journalism, Mathematics, Music, Music Performance, Philosophy, Physics, Political Science, Psychology, Public Administration, Religious Studies, Science Education, Social Science Education, Sociology, Spanish and Theatre Arts.

The Bachelor of Fine Arts degree is awarded in Music Theatre.

The Bachelor of Science degree is awarded in the following fields: Accounting, Biology, Business Administration (Management, Finance, Marketing, International Management and Management Information Systems), Chemistry, Computer Science/Engineering, Economics, Engineering Mathematics, Engineering Physics, Environmental Studies, Health Education, Leisure/Sport Management, Mathematics, Medical Technology, Music Education, Physical Education, Physics and Sports Medicine.

Minor Fields of Concentration

Candidates for the bachelor's degree may elect a minor concentration consisting of at least 16 semester hours.

The following minor fields are available: Accounting, African/African-American Studies, Anthropology, Asian/Pacific Studies, Biology, Business Administration, Chemistry, Computer Information Systems, Computer Science, Criminal Justice, Dance, Economics, English, Film Studies, French, Geography, History, Human Services, International Studies, Journalism/Communications, Leisure/Sport Management, Mathematics, Music, Non-Violence Studies, Philosophy, Physical Education, Physical Education (Coaching), Physics, Political Science, Psychology, Public Administration, Religious Studies, Sociology, Spanish, Sports Medicine (Exercise/ Sports Science), Studio Art, Theatre Arts and Women's Studies.

20

General Studies

Elon's General Studies program reflects the college's long history of strong liberal arts education in a distinctive and highly contemporary form. Elon freshmen have the exceptional opportunity to begin their college careers in an intimate, seminar setting. The Global Experience course features a broad interdisciplinary investigation into many of the profound challenges facing the planet as we move into the next millennium. With classes individually designed by professors noted for their excellent teaching, each group gains a unique perspective on a set of issues under discussion campus-wide. As a result, the entire freshman class participates in an ongoing dialogue rich with diverse opinions, approaches and sources of information. The Global Experience course models the most admirable qualities of college learning. Students are called upon to participate and converse daily in a seminar setting. Collaboration and cooperation are fostered by frequent activities and projects. Writing and critical thinking are refined and the students develop a skill set that supports their future explorations in college and beyond. Developed with the support of the National Endowment for the Humanities, the advanced seminars at the junior and senior level are interdisciplinary in order to help students think about important issues across the narrow boundaries of the traditional disciplines. Elon's General Studies program also embodies the college's focus on a holistic approach to education, linking theory to application, through the experiential learning requirement. Through General Studies, Elon students encounter the best of the Elon faculty, are challenged to think in new and creative ways, and bring focus to their education through experience.

The General Studies program consists of four elements:

First-Year Core

In these four courses, students: 1) sharpen their reading, communication, numerical and information retrieval skills, 2) deepen their appreciation for a diversity of ideas, 3) grow in their ability to think independently, 4) learn to appreciate the wholeness of their own mind, values and body, 5) build on the careful and creative thinking that will bring them into the world of scholarship, and 6) learn that leadership is a way of thinking as well as a set of skills.

Experiential Learning

The requirement encourages students to engage the world about them actively and to reflect insightfully about their experiences. Included in experiential learning are internships, volunteer activities in the community and undergraduate research programs, among others.

Liberal Studies

Elon students take courses from a variety of areas, learning facts and ideas from professors and disciplines outside their majors. As they complete their Liberal Studies requirement, Elon students learn that there are multiple ways to examine problems and differing strategies for the development of solutions.

Advanced Studies

Upper-level courses outside the major carry the broad Elon education past the introductory level. A required interdisciplinary seminar provides the capstone to the General Studies experience. Students work closely with a professor as they use intellectual skills to cross the borders between traditional academic disciplines.

The General Studies program assumes learning is cumulative and developmental. Elon College students will revisit the theme of a broad education from initial enrollment to graduation.

21

The Martha and Spencer Love School of Business

Established in 1985, the Love School of Business is an outgrowth of an endowment gift to Elon College from the Martha and Spencer Love Foundation.

The Love School of Business builds upon the liberal arts tradition of Elon College and provides undergraduate and graduate students the educational opportunities that will prepare them for business careers and civic leadership.

The Business School offers undergraduate-level majors in Accounting, Business Administration (concentrations in Management, Marketing, Finance, International Management and Management Information Systems), Economics and a graduate degree in Business Administration (MBA).

Specific requirements for Accounting, Business Administration and Economics are listed under Courses of Instruction.

Professional Programs

Elon College offers professional programs in Accounting, Business Administration, Communications, Computer Science, Education, Human Services, Journalism, Music, Public Administration and Medical Technology. These programs prepare graduates entering beginning-level professional positions. Qualified graduates may wish to continue their studies in graduate school.

Pre-professional Programs

Elon College offers programs that prepare students for professional studies in such fields as dentistry, engineering, law, medicine, physical therapy and theology. Students entering any pre-professional program should plan carefully, using the catalog of the professional school they wish to enter as a specific guide to choosing

courses at Elon College. In addition to the preparation students receive through the regular academic curriculum, Elon offers a pre-professional advising program that emphasizes careful academic advising, special programs and workshops and assistance in the graduate application process. Faculty advisors are available to assist students in this planning.

Pre-law

22

The Association of Law Schools embraces two educational objectives for undergraduate law students: First, the student should learn to reason logically; second, the student should learn to express thoughts clearly and concisely both orally and in writing. While law schools do not require a specific undergraduate major, several majors at Elon prepare students for admission to law school. Elon faculty members help students choose specific courses and curriculum tracks that increase students' chances for acceptance into law school. They also advise students in the selection of law schools, preparation for the Law School Admissions Test (LSAT) and the application procedure.

Through programs offered by the Prelaw Society, students discuss career opportunities with attorneys, judges and law enforcement officers. The Prelaw Society also arranges visits to area law schools and offers programs on taking the LSAT and applying to law school.

Pre-medical and Pre-dental and Other Health Professions

Elon's health professions program prepares students for entry into schools of dentistry, medicine, optometry, osteopathy, pharmacy, podiatry, veterinary medicine, physical therapy and other health-related professions.

Elon's Health Professions Advisory Committee is designed to guide and advise students who are interested in pursuing careers in medical and health-related professions. The committee is composed of faculty members from Elon, Bowman Gray School of Medicine and Duke University Medical Center. The committee monitors each student's academic progress and offers helpful advice on choosing a health profession as well as selecting and applying to professional schools. It assists students with the application process and provides letters of recommendation and interviews.

Students interested in a medically related career should meet with the Health Professions Advisory Committee Chair (Dr. Herbert W. House) and obtain information about their course of study as soon as possible. Although a concentration of the student's academic work will be in the sciences, medical and professional schools seek students with well-rounded academic experiences and well-developed critical thinking skills.

Scholarships assisting science and pre-medical students are available through the Elon Science Fellows Program and Lincoln pre-medical scholarships. Pre-medical students are encouraged to join and actively participate in the Lincoln Pre-medical Society. Meetings of the Society are held monthly, except during winter term. Numerous medical professionals are chosen and invited by the society to present programs of interest at the meetings.

Pre-ministerial (Any Full-time Christian Vocation)

The educational program at Elon College provides opportunities for students to prepare for the various aspects of Christian ministry. Although no particular major is required, many courses and other educational and service experiences permit students to explore their interest in and fitness for religious vocations. In general, for church-related vocations, students may major in Religious Studies or any of the liberal arts areas.

Evening School

Undergraduate and graduate-level courses are also offered during the evening. While any student may enroll in courses at these times, evening courses are especially convenient for students who work during the day. By attending classes solely at night, students may earn the Master of Business Administration or the Master of Education degree. Students may earn undergraduate degrees through a combination of day and evening classes.

23

Transitional Program

This first semester program provides faculty who work closely with students and individual counseling to help students make a successful transition to college. Students may be placed in preparatory courses in math, writing, reading and study skills which count as elective credit toward graduation.

Peer Tutoring

Peer tutoring is offered to all students in most subjects through Tutorial Services located on the main floor of the college library. No additional fee required.

Writing Program

Elon College has a well established Writing Center, an interdisciplinary minor in Professional Writing, and an emerging Writing Across the Curriculum Program that make up the college's Writing Program. Each of these entities works concurrently to support and enhance student writing at all levels and in all areas of the college's curriculum through student and faculty workshops as well as a wide variety of other activities. One-on-one writing tutoring is available through the Writing Center, from Sunday through Thursday, to all members of the college community who need help at any stage in a writing project.

Elon 101

Elon 101 is a specially designed academic advising course/program that introduces first semester students to college life. Among topics discussed are time management, study skills and how to become involved in campus activities. An extended orientation to college, the course is co-taught by the students' academic advisor plus a student teaching assistant. This elective class is limited in size to 15 students. The course meets weekly during the first semester and offers one semester hour of general college credit upon successful completion. Grading for this course is Satisfactory/Unsatisfactory.

High School Credit Bank Program

This program allows high school seniors to earn college credit before entering college through the completion of two summer session courses at Elon, and two courses at Elon during each semester of the senior year.

Leaders for the Twenty-First Century Programs

The North Carolina Teaching Fellows Program

24

Elon College is one of only two private colleges selected by the North Carolina Teaching Fellows Commission to offer a Teaching Fellows program, and one of only 14 institutions throughout the state. North Carolina Teaching Fellows are selected by the Public School Forum of North Carolina, which awards approximately 400 fellowships annually. North Carolina high school students interested in the teaching profession apply to the North Carolina Teaching Fellows Commission and are awarded grants through a selective interview process.

The Teaching Fellows' experience takes place in the context of Elon's highly successful teacher education program. Faculty work closely with students as mentors and academic advisors. In their junior and senior years, Teaching Fellows put their skills into practice by serving as peer advisors for entering education majors. Teaching Fellows who also qualify for the Honors Program may apply to the Honors Program and receive Honors designation upon graduation provided they complete all requirements.

The Teaching Fellows experience at Elon is a four-year program requiring participation in the following:

- Specially designed leadership courses
- Internships
- Study/travel to major U.S. metropolitan areas
- A semester of study in London
- Special field trip, lecture series
- Capstone seminar examining local, state and national issues and their effect on education
- Elon Experiences Transcript

The Honors Program

The Honors Program assists academically superior students to attain greater breadth and depth in their General Education studies.

Honors Fellows can enroll in challenging courses that emphasize writing, critical analysis, problem solving and independent research taught by innovative faculty. Class size is generally limited to 20. Since the program is college wide in scope, most Honors courses are taken in disciplines differing from one's major.

Other features of the program include: Early pre-registration privileges, off-campus retreats, Honors housing arrangements and opportunities to attend Honors conferences and present research. Honors graduates often pursue further study or graduate training.

Most students are selected to enter the program as freshmen, but one can apply for admission as a continuing student by seeing the Honors Director. Students may also be referred by professors. Honors awards are renewable for up to four years, providing the recipient successfully completes a minimum course load of 30 semester hours for each academic year, maintains a cumulative grade point average of 3.2 or above and satisfies the requirements of the Honors program.

To receive Honors Program recognition at graduation, students must complete a minimum of 25 hours of Honors experience, as listed below, and achieve a 3.2 grade point average overall and in all Honors courses taken.

Students who fail to maintain an overall grade point average (GPA) of 3.2 or better are subject to dismissal from the program and all benefits associated with it.

25

Requirements for Honors Program Recognition

Category I: Students are required to take 9 semester hours from the following courses:

- (1) Honors Elon 101 (1 sh)
- (2) Honors GS 110: Global Experience (4 sh)
- (3) One 100-200 level Honors course (4 sh)

Category II: Students are required to take 12 semester hours chosen from the following courses:

- (1) 200-400 level Honors courses (A maximum of 4 semester hours from the 200 level)
- (2) 300-400 level non-Honors courses taken for Honors credit. (This may include scheduled department or General Studies courses, internships and independent study. Plans must be submitted in writing and approved by Director *before* the course is taken. See Director for details.) (A maximum of 4 semester hours may be used in this manner.)
- (3) Study abroad semester program participation (4 hours Honors credit) Winter/summer term (2 hours Honors credit) (A maximum of 4 semester hours may be used in this manner.)
- (4) Experiential Honors credit Students may receive Honors credit (but not academic credit) for participating in some of the many Honors Program Activities. See Director for details. (A maximum of 4 semester hours may be used in this manner.)

Category III: Students are required to take 4 semester hours from the following:

Honors General Studies Seminar

Senior (Junior, in some cases) Honors students would take an Honors section of the required upper-level General Studies Seminar or other approved upper-level General Studies Seminar.

For information about Honors Scholarships, see page 60.

The Isabella Cannon Leadership Fellows

The Isabella Cannon Leadership Fellows program is a four-phase developmental program that takes students from learning leadership skills to sharing those skills with others. The program is coordinated by a select group of students leaders. The student-run model helps keep the program strong and full of new energy each year.

Freshman Fellows

Students who are leaders in their high schools and/or communities compete for 25 positions. The Freshman Fellows are successful students and have made significant contributions to their communities. The Fellows participate in the Emerging Leaders Program as well as attend a fall retreat, become active in at least one student organization, and collaborate with a team on a community project. In the spring, they coordinate the selection for the next year's Freshman Fellows. Upon successful completion of the Freshman Fellows program, students move from "learning to lead."

Sophomore Fellows

After "learning to lead" as freshmen, Fellows move to "doing leadership" as sophomores. The Sophomore Fellows take a leadership role in one or more organizations, attend a "How to Lead" retreat, and participate in monthly meetings with a faculty member or administrator.

Junior Fellows

Junior Fellows focus on "enhancing leadership styles" by coordinating the Emerging Leaders program which is open to all new students. Junior Fellows also study the Seven Habits of Highly Effective People, shadow a community leader, and attend a state or regional leadership conference.

Senior Fellows

As seniors, the fellows "share leadership" by coordinating the "How-to-Lead" retreat for the sophomore fellows, participate in career preparation programs, attend capstone discussions to reflect upon their experiences at Elon, and offer their legacy papers at a special banquet at the end of the year honoring Dr. Cannon, the founder of the program.

Leadership fellows who complete all four phases of the program will receive the prestigious Isabella Cannon Leadership medallion and be recognized with distinction upon graduation from the College

The Jefferson-Pilot Business Fellows Program

The Martha and Spencer Love School of Business is dedicated to developing leaders for the 21st century. As part of that thrust, the Love School offers the Jefferson-Pilot Business Fellows Program to outstanding freshmen who have a strong interest in a career in business, non-profit organizations or government and who plan to major or minor in accounting, business administration, or economics. Almost all Jefferson-Pilot Business Fellows students are selected to enter as freshmen but some openings are available for continuing students.

Some of the features of the Jefferson-Pilot Business Fellows program are the following:

- a two credit freshman seminar in the Spring semester of the freshman year
- a \$750 Study Abroad grant for use in economics or business-related study abroad courses
- a guaranteed paid internship for use in the summer between the junior and senior years
- an investment course where the students manage part of the Elon endowment
- a senior capstone experience that will have the students involved in a real business situation.

In all of these program elements, the students will work closely with the 25 Jefferson-Pilot Business Fellows students. The students will gain the rich experience of working in teams, addressing problems together, and being involved with real business issues. This program will truly prepare the student to assume a leadership role in the 21st century.

27

The Science Fellows

A research-based program for exceptional students majoring in the sciences, mathematics or computer science, the Science Fellows program provides excellent preparation for graduate study or a career in the sciences, mathematics or medicine. 15 Science Fellows are selected annually based on high school academic performances, science GPA, SAT/ACT, essay and interview. Fellows enjoy a variety of opportunities including assignment to a faculty mentor, a year-long interdisciplinary seminar in the freshman year to prepare for scientific research, a science policy course, paid research assistantships during the junior or senior year, and optional housing in a science Living/Learning Community. 10 Science Fellows scholarship valued at \$2,000 annually are awarded to freshman Fellows each year, in addition to President scholarships they may have already received. Science Fellows are also invited to participate in the Elon College Honors Program.

Enrichment Programs

The Elon Experiences Transcript

The Elon Experiences Transcript provides a co-curricular transcript that enhances job and graduate school opportunities. The transcript documents study abroad, service, leadership, internships/co-ops, and undergraduate research throughout the college career. Elon Experiences help develop informed, productive, responsible and caring citizens—individuals equipped with an education that enriches personal lives and enhances professional careers.

Leadership Development

Special courses, service projects, organizational leadership and internships help students develop the characteristics that identify a leader in any field: strong character, good communications skills, self-confidence, the ability to make decisions, motivate others, solve problems and take risks. Leadership development programs are described more fully in the Student Life sections.

Service Learning

Acting on the college's commitment to civic responsibility and leadership, the Kernodle Center for Service Learning and Elon Volunteers! offer programs and projects ranging from Habitat for Humanity to tutoring and mentoring programs. In addition, campus organizations participate in a variety of support and fund-raising programs, such as the Adopt-A-Highway clean-up program, American Red Cross Blood Drive, Special Olympics and March of Dimes walk-a-thon. Service Learning programs are described more fully in the Student Life sections.

International and Multicultural Exposure

- 28** Examples of recent international experiences listed on Elon Experiences Transcripts include: semester programs in London, Japan, Spain and winter term in London, Costa Rica, Ireland, Europe, Belize, Mexico and Australia.

Undergraduate Research

Students may engage in research projects under the direction of individual faculty members. Students receive academic credit and have the opportunity to present their research methodology and results on campus and at local, regional and national conferences.

Internship and Co-op Opportunities

Through internships and co-op opportunities, Elon helps students understand the value of productive work, develop the knowledge and skills to compete and progress in a meaningful job or earn money to meet financial obligations. The Elon Career Center assists students in meaningful career planning and preparation, and provides the resources and support needed for successful employment and career advancement after graduation. Over 60 percent of 1998 Elon graduates participated in internships and co-ops.

Study Abroad

Study abroad programs enhance the academic program and give students an opportunity to learn firsthand from other countries and cultures. Approximately 42 percent of 1998 Elon graduates participated in study abroad activities. The college offers a variety of such opportunities.

Students may elect to spend a semester, either fall or spring, in London. By selecting from the broad range of courses offered, most of which are taught by British faculty, students can fulfill General Studies requirements. Through internships and field research projects, students experience many dimensions of British culture. Students have access to the University of London's library. Fall and spring breaks permit extensive European travel. Elon students may spend a semester or a year in Japan at Kansai Gaidai Center for International Education, and study Japanese language and culture. Semester study is also possible through institutional arrangements with the University of Orebro in Orebro, Sweden, Curtin University in Perth, Australia and Universidad de Valladolid in Valladolid, Spain.

During the winter term the college offers a study/travel opportunity to England. This program allows students to spend approximately three weeks housed in London with opportunities for numerous excursions to historical and cultural sites in Great Britain. The college also offers other study/travel programs to various locations that vary from year to year. Other students have spent the winter term in Costa Rica studying its language, history and culture, or in Belize, Ireland, Mexico or Ghana. European studies include a course devoted to the unification of Europe and a course on World War II with visits to Belgium, France, Germany and the Netherlands. Other study abroad sites include Italy and Australia. All programs offer a wide range of course credit.

Independent Study and Research

Independent study and research is an integral part of the educational program at Elon College. With the assistance of faculty members, students get the chance to develop hypotheses and think creatively. Those who plan to attend graduate school benefit from the research experience. By providing an atmosphere for one-on-one learning with their professors, Elon gives students a unique opportunity to discover the experience of being a professional in their chosen field. Elon students can showcase their research efforts in the Student Undergraduate Research Forum (SURF) in which the participants give a presentation of their research projects and then respond to questions from the audience. Students also can present research papers off campus.

Military

ROTC

The Reserves Officers Training Corps program offers a military science curriculum leading to commission in the U.S. Army upon graduation. This course offers built-in financial assistance and special scholarship programs.

Credit for Veterans

This program offers military personnel on active duty the opportunity to submit CLEP credit by contacting their Education Officers or USAFI in Madison, Wisconsin, for testing. Credit for work completed may be transferred to other accredited post-secondary institutions, and service experience is accepted for physical education requirements.

Career Center

The following programs are available through the Career Center to help students plan their futures, explore careers/graduate school and become adept at finding employment. The Career Center is located in Duke Building on the first floor. This newly renovated center houses many career-related resources, including computers for students to develop resumes, search for jobs and internships, and explore career options.

Career Planning

Awareness of personal values, interests, skills and occupational information is necessary to make academic and career decisions. Professional career counselors assist students with their major and career choices by providing individualized career counseling, assessment inventories, computerized career guidance and information systems, occupational/educational information, career preview programs and workshadowing opportunities. COE 110 "Exploring Careers/Majors," a one-hour elective credit course, is for students exploring major and/or career options. Catalogs, graduate school directories, web-based graduate school information and computerized study guides for GRE, GMAT and LSAT are available to help students make decisions about postgraduate education.

30

Employment Services

Employability is one key to success for any major. The Career Center assists students from all majors as they identify their career direction and finalize their career search. The Career Center has incorporated modern technology to provide more effective student/employer matches and to help students access current employer literature. Programs for upper-class and graduate students include classes in job search skills (COE 310 "Securing A Job"), resume referral to employers, on-campus interviews, individual job search assistance, job vacancy lists and a credentials file. Workshops on resume writing, job interviewing and other special career topics are offered. Additional resources and programs include automated occupational and employer information, career fairs, specialty work "shadowing" experiences and mentoring programs, classes on making the transition from college to the workplace, and a career-related web page. The same services for students are also available to Elon alumni.

Internships or Co-ops

Elon College strongly supports programs that allow students to relate their classroom learning to work experience. Active cooperative education and internship programs provide opportunities throughout the academic year and during summers for students to explore careers, to integrate theory with practice and to examine future job possibilities. In each learning experience, the student's academic or career-related work assignment is supervised and evaluated by Elon faculty. Internships are directly related to majors or minors, may be full- or part-time and paid or unpaid. Most departments offer internship credits. Co-ops usually offer pay, are full- or part-time, may be repeated and count toward elective credit. The class COE 310 "Securing A Job" is recommended for co-op students.

Eligibility Requirements: Students must be a junior or senior (sophomore for co-op), have a 2.0 minimum GPA, have completed departmental prerequisites and have approval from the Faculty Sponsor/Experiential Education Director. It is recommended that those participating in co-ops enroll in the COE 310 class.

Academic Support Services

Elon College seeks to meet the individual academic needs of all students. In order to accomplish this, the college places emphasis on a variety of academic support services.

Academic Advising Center

Students are assigned faculty advisors before they enter Elon College. An important part of the Academic Advising Center's service is Elon 101, a freshman advising course. Freshmen not enrolling in Elon 101 are assigned advisors based on whether or not they have expressed an interest in a major. Students without clear career goals may be counseled in selecting a major and are assigned advisors within the major departments. Special advising assistance is also available for students in pre-professional programs such as pre-law, pre-medical and pre-engineering. Transfer students are assigned an academic advisor in the department of their majors at the time they enter.

31

Closely associated with the Academic Advising Center is the Career Center. Testing programs, an extensive careers library and career counseling help students explore career opportunities and correlate academic course work with career objectives.

Disabilities Services

Although Elon has no formal program for students with disabilities, the college does attempt to make reasonable classroom accommodations for students who provide formal documentation from a licensed/certified doctor, psychologist or learning specialist. The documentation should be dated within four years of the student's enrollment at Elon; should explain the limitations resulting from the disability; and should include specific accommodations needed. Students who wish to discuss their disabilities and appropriate accommodation should contact Disabilities Services in the Academic Advising Center in Alamance 101. Copies of the Elon College disabilities policy and procedures are also available in Alamance 101. Dr. Smith Jackson is the Section 504 Coordinator, in Alamance 118.

Media and Television Services

Headquartered in the library, media/television services offers a broad range of production facilities and equipment designed to meet the educational needs of students. Services include equipment instruction and check-out, audio and video production, instructional design, and support of the Elon radio station and television network.

The Carol Grotnes Belk Library

Elon's new library, opened in summer 1999, is uniquely designed to integrate print, electronic and audiovisual resources with an extensive program of research, tutoring and technical support. More than 100 computers offer access to the online catalog and to Internet resources throughout the world. Students can choose among a wide variety of individual and group study spaces while using the more than 300,000 books, government documents and media. More than 4,000 periodical titles are available in print or online format.

Computer Facilities

Elon's academic computer resources include a Hewlett Packard 9000, 15 NT servers and several Linux servers. The PC computer labs are located in the Carol Grotnes Belk Library, McMichael Science Center and Alamance, Long, Duke and Powell buildings. The PC labs contain 370 microcomputer workstations that are connected to the HP's, the on-line library catalog, the Internet and the NT networks. There are also Macintosh labs in the Faith Rockefeller Model Center for the Arts and in Alamance building. Software packages include Windows 95/98, Macintosh OS8, Office '97 and the statistical packages SAS and SPSS. Academic computing facilities are staffed by students and open to all students at no additional charge.

Student Life

33

Student life is more than classrooms, laboratories, study desks and libraries. Elon's goal is to educate the whole person, and students have many opportunities to achieve this goal. Experiences in the residence halls, campus organizations, student government, spontaneous social groups, Greek organizations, and on athletic and intramural teams are critically important in a student's total development.

By participating in those co-curricular activities that interest them or are complementary to their academic programs, students can develop important insights about genuine communication, self-government, freedom, trust, honor and critical judgment. Programs designed by well-qualified faculty, staff and students provide opportunities for students to develop a meaningful concept, a sense of career, a philosophy of life, and sound ethical and moral principles.

Student Service

Personal Counseling

Under the direction of the Director of Counseling Services, counselors are available to provide help to Elon students. Support groups and therapy groups, composed of students concerned about the same issues, are available for those interested. In each of the four campus areas—East, West, North and the Danieley Center—there is an Area Director, a master's-level staff member trained in counseling or a related field. In addition, within each residence hall there is a staff of specially trained community development coordinators, usually one per floor. CDCs live on the hall and help students learn more about Elon College, themselves and other students. Supporting the residence hall staffs are personnel associated with the Division of Student Life.

Health Service

The college maintains a health service, which is open Monday, Tuesday, Thursday and Friday from 8:30 a.m. to 4:00 p.m. and Wednesday from 8:30 a.m. to 1:00 p.m. and 3:00 p.m. to 4:00 p.m. A health service fee covers most routine health and nursing services and treatment by the college physicians. These fees do not cover medications, cases requiring a physician other than a college physician, emergency treatment at a local hospital, laboratory tests or procedures conducted off campus.

All students must present evidence that they are covered by health insurance before they can enroll in classes. All undergraduate and graduate students taking six or more credit hours may purchase a health insurance policy through the college. All students enrolled during day classes must submit a campus health form and immunization records.

Campus Living

There are 26 residence halls, 13 fraternity and sorority houses and two campus apartment complexes with a variety of living arrangements. Each residence hall room is furnished with beds, bureaus, desks, blinds and chairs. The student brings pillows, blankets, bedspreads, bed linens, towels and other articles such as wastebaskets, rugs and lamps. Residence halls open at 2:00 p.m. the day before registration each semester. They are closed during Thanksgiving, Christmas, spring and summer vacations, except for those residence halls occupied during summer school. Rooms will be vacated and residence halls locked no later than noon on the day following the last night of exams.

34

Provided on-campus housing space is available, all first and second-year students must live in the residence halls unless they are approved by the Residence Life Office to live with their parents, relatives or spouse. Transfers must live on campus until two years have passed since their high school graduation. All residence life policies and procedures for living on campus are presented in the License Agreement, which the student receives and acknowledges when applying for campus housing. This agreement is a one academic year contract renewable each academic year. The college helps students find off-campus housing, but does not serve as an intermediary in any way between the student and his/her landlord.

Students have access to coin-operated laundry facilities on campus.

Meals are served in the college dining halls, which open for the evening meal before the first day of registration, and close after the noon meal on the last day of final examinations. For vacation periods, college dining halls close after the noon meal of the last day of classes and open for the evening meal the day before classes resume.

Room Reservation and Security Deposits

New Students

Please refer to the Admissions, Finances and Financial Aid section of this catalog.

Continuing Resident Students

Students wishing to return to the residence halls for the upcoming academic year must submit a \$200 reservation fee during the housing reservation process announced by the Office of Residence Life during the spring semester. Students wishing to cancel their housing assignment must follow the procedures presented in the License Agreement they received when they applied for housing. The room payment/cancellation procedures are covered in this agreement also. Any questions can be directed to the Office of Residence Life.

Commuter Students

Programs that meet the particular needs of commuter students are offered through the Office of Student Life. The college encourages commuters to become involved in campus functions and organizations. Student lounges and a TV room are located on the first floor of Moseley Center. Commuter students may purchase meal plans or the Elon Card for dining on campus and may buy a parking permit if they wish to park on campus.

New Student Orientation

New Student Orientation is held just before the fall term begins. All entering students participate in the program, which is designed to prepare them for the college experience. Orientation includes small group activities as well as academic advising, testing, registration, lectures and social activities. A modified orientation program is offered for students entering in winter and spring terms.

In addition, the admissions office sponsors orientation programs every March and April for those students accepted by Elon who plan to attend the following fall. At that time, students may pre-register, apply for on campus housing and select a roommate.

35

The Student Government Association

The Student Government Association (SGA) represents the interests of the Elon student body. The faculty and staff of the college support and cooperate with the SGA. Projects and proposals dealing with social, cultural and academic life are promoted by the SGA President and the Student Senate.

Students play a direct role in academic and social policy-making through voting membership on numerous college committees. The SGA Office is in Moseley Center. SGA is advised by the Director of Student Activities.

Judicial System

The Judicial System is a code of student conduct under which all students should conduct themselves as responsible members of the college community. It is intended to be a code of integrity for students. For complete details about Student Affairs and the Judicial System at Elon, see the Student Handbook.

Campus Safety and Police

Campus Safety is maintained by North Carolina Certified Law Enforcement Officers and by professional security staff with student support working under the direct supervision of the Director of Campus Safety and Police. The system works in close cooperation with the Town of Elon College Police and Fire Departments and the staff of the Division of Student Life.

Campus safety is a partnership between the college, its students, faculty, staff and guests. Students, faculty, staff and guests are encouraged to practice sound safety practices. In turn, the college attempts to provide facilities and services that optimize safety and security. Emergency telephones are located in strategic areas across campus. A complete list is updated yearly in the Student Handbook. The phones in the parking areas are designed to be accessible from an automobile without leaving one's vehicle.

The Office of Campus Safety and Police provides an escort service 24 hours a day. Students on campus call extension 2407 for this service; those off campus who need an escort upon returning to campus should dial 584-2407.

In accordance with the Crime Awareness and Campus Security Act of 1990, complete information regarding campus security policies and programs and campus

crime statistics is available upon request from the Director of Public Information, 2600 Campus Box.

Cultural Life

Each year a variety of programs is offered for the cultural and intellectual enrichment of campus life.

The Liberal Arts Forum, sponsored by the Student Government Association, schedules a number of lectures on current issues.

36

The Black Cultural Society brings speakers, musical groups and dance ensembles to Elon each year.

The Lyceum Series brings outstanding artists and performers to the campus during the year.

The Young Artist Series brings up-and-coming artists to campus.

The Classical Soirée Series, presented in the Yeager Recital Hall, brings outstanding artists to campus, often combining residency activities with a formal recital. Admission is free to the college community.

The James H. McEwen Jr. Visual Arts Series, named in honor of a former trustee and lifelong supporter of the arts, sponsors a number of visual art exhibits each year including fiber art, photography, sculpture, linocuts, watercolors, oil paintings and multimedia abstract compositions.

The Davidson Contemporary Print Exhibition, sponsored by Elon since 1990, is a national juried exhibition showcasing the current directions in printmaking in the United States.

A number of distinguished scholars in various fields are invited to the campus each year to give lectures and seminars for the enrichment of the academic program. There are also recitals in the Faith Rockefeller Model Center for the Arts presented by members of the Fine Arts Department faculty and advanced students in music. Several band and orchestra concerts are scheduled. Plays and musicals presented by Elon students and by visiting drama groups are also a feature of the college's cultural offerings.

The Student Union Board

Social activities at the college are largely planned and coordinated by the Student Union Board, which is advised by the Director of Student Activities. An extensive program of social, club and special-interest activities is carried out during the year. Among these are movies, trips, concerts, comedians, special events and many other social activities.

Moseley Center

Moseley Center is the center of college community life for the campus. This 74,000-square-foot campus center was opened in January 1995. Included in the facility are: the campus information desk and switchboard, two informal lounges, a television lounge, an art lounge, the campus post office, a Spanish center (El Centro

de Espanol), a gameroom, the Campus Shop, the Octagon Cafe, the African-American Resource Room, several meeting rooms, a large multi-purpose auditorium, the student media, the Black Box Theatre, student offices for campus organizations and the Student Life staff offices.

Religious Life

Responsibility for college religious life rests with the Chaplain, who coordinates all on-campus religious programs. Voluntary religious services are held during the academic year. The Elon College Community Church, located just off the campus, is affiliated with the United Church of Christ and is open to all students for worship. Many denominations are represented on campus in the form of student organizations and adjunct clergy. Most denominations have churches within a few miles of the campus. Groups meet regularly for discussions, social activities and service projects such as Habitat for Humanity. The Chaplain's office is located in Moseley Center.

37

Minority Affairs

Elon College is committed to the enrollment and retention of minority students. Programs and services are available to minority students addressing academic, social and cultural needs to ensure that each student at Elon receives the best possible liberal arts education. The Office of Minority Affairs serves as a support system to help minority students adjust to college life. Programs have been developed and implemented to facilitate the recruitment, retention and graduation of minority students. The S.M.A.R.T. Program and Hand to Hand Program support first year minority students with their transition to college. Students are assigned to an upper-class student mentor and faculty mentor. Mentors help first year minority students academically in the areas of study skills and time management. Both programs help first year students reach the high level of achievement that is expected at Elon College. The Office of Minority Affairs is located in Moseley Center.

African American Resource Room

The African American Resource Room, coordinated by the Office of Minority Affairs, provides a support function to African American students as well as an academic function for the entire college campus. The room serves as an instrument of orientation to students, faculty and staff on issues of race and diversity. With a valid Elon identification card, books and video tapes may be checked out. The African American Resource Room serves as a catalyst for creating a positive atmosphere on campus. Thus the room itself maintains a healthy and integrated educational environment for all to enjoy. The African American Resource Room is located in Moseley Center.

El Centro de Espanol

El Centro de Espanol provides a new approach to language learning. The focus of the center's programming is on "using Spanish," not just reading or writing. El Centro structures learning, but not in traditional ways of homework and grades. Students, faculty and staff learn by total immersion in the Spanish language through such experiences as discussions with native speakers of Spanish, one-on-one and

small group discussions, use of resource materials for solo study, CD's, tapes and movies. The program at El Centro allows participants to advance at their own pace in a fun and relaxing environment. El Centro de Espanol provides a learning experience, reinforcing Elon's view of co-curricular activity, which occurs outside the boundaries of the classroom as part of the whole learning experience.

Leadership Development

38

Elon offers all students leadership skills and opportunities to exercise civic responsibility. The Emerging Leaders Program is open to all first-year students wishing to refine and further develop their leadership skills. Participants take part in leadership development workshops, attend cultural programs on campus, volunteer in the community, shadow a campus leader and join at least one campus organization. After successful completion of the Emerging Leaders Program, students may apply to become an Isabella Cannon Leadership Fellow. The Leadership Fellows Program offers students opportunities to study and practice leadership, participate in a series of seminars, facilitate service projects, lead campus organizations and mentoring experiences, and have the opportunity to participate in studies abroad and internship programs. Upon completion of all phases of the program, the student can graduate as an Isabella Cannon Leadership Scholar. Through the student managed L.E.A.D. Center, leadership development opportunities exist for all students not just those active in the Isabella Cannon Leadership program.

Service Learning

Students have the opportunity to participate in diverse service experiences through a student-run program called "Elon Volunteers!" Elon Volunteers! coordinates over 15 service programs in the local community. In addition to these on-going programs, EV! sponsors a wide variety of one-time service events and trips. The mission of EV! is to provide all members of the Elon College campus the opportunity to develop an ethic of service by connecting campus and community through service experiences.

The Kernodle Center for Service Learning is located in Moseley Center and provides resources for faculty to integrate service into their courses, giving students the opportunity to serve and learn at Elon.

Honor Societies

- *Phi Kappa Phi*

Membership in this national interdisciplinary honor society is one of the highest honors an Elon student can attain for academic excellence. Seniors (fourth-year students) in the top 10 percent of their class and juniors (third-year students) in the top 5 percent of their class are eligible for membership, must be in good standing, and must be distinguished through academic accomplishment.

- *Alpha Delta Omega*

Recognizes scholastic achievement by majors in human services

- *Alpha Epsilon Rho*

Recognizes scholastic achievement in the journalism and communications programs

- *Alpha Kappa Delta*
Recognizes scholastic achievement in sociology
- *Alpha Psi Omega*
Recognizes scholastic achievement in the theatre arts programs
- *Beta Beta Beta*
Recognizes scholastic achievement in the biology program
- *Epsilon Beta Epsilon*
Recognizes scholastic achievement by majors in economics and business courses
- *Kappa Delta Pi*
Recognizes scholastic achievement by majors in education
- *Kappa Mu Epsilon*
Recognizes achievement by majors in mathematics
- *Lambda Pi Eta*
Recognizes scholastic achievement in the field of communications
- *Omicron Delta Epsilon*
Recognizes scholastic achievement in the field of economics
- *Omicron Delta Kappa*
Recognizes students, faculty, alumni and outstanding citizens for exemplary character, service and leadership in campus life, and good citizenship within the academic and larger community
- *Order of Omega*
Recognizes students, faculty, staff and alumni for outstanding leadership, promotion of interfraternalism and service to the college and surrounding community
- *Phi Alpha Theta*
Recognizes scholastic achievement in the history program
- *Phi Eta Sigma*
Recognizes first-year students who have achieved a GPA of 3.7 or above
- *Pi Delta Phi*
Recognizes achievement by majors and minors in French
- *Pi Gamma Mu*
The North Carolina Alpha chapter of Pi Gamma Mu, national social science honor society, was chartered in 1929. Students and faculty members who attain distinction in the social sciences at Elon are eligible for nomination into membership
- *Pi Sigma Alpha*
Recognizes scholastic achievement in the political science program
- *Psi Chi*
Recognizes achievement by majors in psychology
- *Sigma Delta Pi*
Recognizes achievement by majors in Spanish
- *Sigma Tau Delta*
Recognizes scholastic achievement in English

- *Theta Alpha Kappa*

Recognizes students and faculty for scholastic achievement in the field of religious studies

Student Organizations and Activities

Elon College offers students opportunities to become involved in numerous activities and organizations on campus. The range of these activities is considerable. Students are encouraged to work with the Director of Student Activities to start new organizations. Refer to the student handbook for a listing of all campus organizations and process for starting a new organization.

40

Departmental

Accounting Society, Alpha Kappa Psi, Association of Computing Machinery, Crime Club, Health, Physical Education and Leisure Club, Human Services Club, Lincoln Pre-med Society, Mathematics Association of America, Pre-law Society, Psychology Club, Society of Professional Journalists, Sociology Club, Student Affiliates of the American Chemical Society, Student North Carolina Association of Educators and Women in Communications.

Greek

There are 17 general fraternities and sororities at Elon. Fraternities include: Alpha Kappa Lambda, Alpha Phi Alpha, Kappa Alpha Order, Kappa Alpha Psi, Kappa Sigma, Lambda Chi Alpha, Sigma Chi and Sigma Pi. Sororities include: Alpha Kappa Alpha, Alpha Omicron Pi, Alpha Sigma Alpha, Alpha Xi Delta, Phi Mu, Sigma Kappa, Sigma Sigma Sigma, Zeta Phi Beta and Zeta Tau Alpha.

Music

Chamber Singers, Concert Choir, Élan, Emanons, Orchestra, Pep Band, Percussion Ensemble, Student Chapter of Music Educators National Conference and Symphonic Winds.

Religious

Baptist Student Union, Campus Outreach, Catholic Campus Ministry, Elon College Gospel Choir, Elon Hillel, Fellowship of Christian Athletes, Greek Fellowship, Intervarsity Christian Fellowship and Methodist Fellowship.

Service

Alpha Phi Omega, Elon Volunteers!, GAMMA (Greeks Advocating the Mature Management of Alcohol), Circle K (College Chapter of Kiwanis), Epsilon Sigma Alpha, Elon College Chapter of Habitat for Humanity, Safe Rides, SCALE (Student Coalition for Action in Literacy Education) and Sierra Student Coalition.

Sports

Aikido Club, Equestrian Club, Men's Lacrosse Club, Men's and Women's Rugby, Swimming and Women's Field Hockey.

Cultural and Special Interest

Black Cultural Society, Elon's Finest, Intercultural Relations, Liberal Arts Forum, Resident Student Association (RSA), Model UN, North Carolina Student Legislature, Students for Peace and Justice, Student Government Association and Student Union Board.

Communications Media

Media Board

The Board is composed of students and members of the faculty and administration. It advises, guides and encourages all student media on campus.

41

ESTV

ESTV is a student operated TV station providing experience for students interested in all areas of communications.

Colonnades

The college literary magazine is published by students interested in creative expression, both verse and prose.

The Pendulum

The college newspaper, The Pendulum, is published weekly by a student staff both in print and on a World Wide Web homepage.

Phi Psi Cli

The college yearbook is edited by members of the student body. Its name, Phi Psi Cli, commemorates three former literary societies.

Radio Station

WSOE-FM, the campus radio station, operates each day and is staffed primarily by students.

Who's Who

Each year a committee composed of members of the faculty, administration and student body elects students to be listed in the national publication *Who's Who in American Colleges and Universities*. Students are selected on the basis of scholarship, participation and leadership in academic and extracurricular activities, citizenship and service to the college and promise of future usefulness.

Campus Recreation

The Office of Campus Recreation is service-oriented with a philosophy based on providing maximum recreational opportunities for students, faculty and staff at Elon College. From playing flag football, going white-water rafting, participating in an aerobics class, or special programs such as state and regional tournaments, the campus recreation program provides the opportunity for students to participate in a safe and enjoyable environment.

The variety of programs range from formal structured leagues to informal activities. Participation in these activities gives students the opportunity to develop friendships and learn important lessons of sportsmanship, team building, cooperation, personal development and self-actualization. Elon values wellness and the lifelong importance of the wise use of leisure time.

The Office of Campus Recreation is also student-development oriented and strives to provide an opportunity for students to transfer classroom theories into practical work experiences. Student leaders coordinate and manage all of the Campus Recreation programs.

42

Aerobics

The college offers a diverse program including aerobics, step aerobics, water aerobics and toning classes. All instructors are trained through the Aerofit training program and are nationally certified or working toward certification. With more than 20 classes per week, exercise opportunities are offered for every type of exercise enthusiast.

Aquatics

The aquatics program consists of open swim times, scheduled swim times, and a variety of aqua-fitness programs. In addition, recognized Elon organizations can reserve the facility for pool parties.

Fitness

The state-of-the-art fitness center and free-weight rooms offer not only the equipment needed for a quality workout but a well-trained staff to help meet your fitness needs. Your own personal fitness program can also be developed through a personal training program. In addition, competitions are planned each semester such as Cardio Conquest and Step Across America.

Intramurals

Intramural events offer a variety of sport leagues and tournaments. Different divisions are available to meet the diverse levels of competition. In addition, co-rec leagues are available in all sports. Some of the sports offered are basketball, soccer, softball, tennis, volleyball, flag football and whiffleball.

Outdoor Programs

Elon Outdoors consists of adventure trips such as backpacking, skiing and white-water rafting. In addition, camping equipment such as backpacks, sleeping bags, tarps and tents may be rented. For those who wish to venture on their own excursions, resource information on many outdoor recreational opportunities all over the United States is available. Additionally, Outdoor Programs offers training to those outdoor enthusiasts who are interested in leading one of our trips.

Open Recreation

A variety of free-play time is available for those who prefer unstructured recreational pursuits. Two gyms, five racquetball courts, a pool, fitness center, commons areas, and several outdoor facilities, including sand volleyball courts and basketball courts, are available for open recreation. In addition, a variety of equipment is available for check-out.

Club Sports

Club Sports are a variety of self-administered clubs that are based on students who share a common interest. Clubs may range from informal to competitive depending on the clubs' participants. New clubs are welcome to join existing clubs such as Aikido, Men's Lacrosse, Men's and Women's Rugby and Swim, Field Hockey and Equestrian.

Special Events

A variety of short-term recreational and educational events are planned. Some of the events are corporate-sponsored theme weeks, such as Cardio Conquest and Health and Wellness Week. Other special events include RecFest and the Turkey Trot.

43

Intercollegiate Athletics

Elon is a member of the National Collegiate Athletic Association Division I (I-AA for football) and a member of the Big South Athletics Conference effective fall 1999. Elon's men's teams compete in intercollegiate football, basketball, baseball, tennis, golf, soccer and cross-country. Elon's women's teams compete in intercollegiate volleyball, golf, basketball, softball, soccer, tennis and cross-country.

Traditional Events

Fall Convocation

Each fall semester a prominent educator or civic leader is invited to speak to the student body and faculty.

New Student Convocation

Each fall, as part of the new student orientation, all new students, parents and faculty gather in Koury Center for a convocation.

Greek Week

A time for unity, friendly competition and fun is sponsored each spring by the PanHellenic, National Pan-Hellenic and Interfraternity Councils. Contests of various kinds—tug of war, chariot races, dance competition and sporting events—as well as a service project and an educational speaker provide a well-rounded experience to promote Greek life.

Homecoming

Homecoming takes place in the fall, bringing back to the campus many former students. Entertainment includes: a golf tournament, a football game, Sports Hall of Fame induction ceremony and major student and alumni activities.

Family Weekend

In the fall, parents and other family members are invited to visit the campus and participate in several events planned especially for them. Activities include a parent-student golf tournament, a college football game, parent/professor meetings, coffee at the home of the President as well as evening entertainment and excellent food. It is a great time for families to meet Elon faculty and administrators.



Admissions, Finances and Financial Aid

45

Freshman Application Procedures

Applications for admission should be submitted early in the high school senior year. Application deadlines and priority deadlines for admission in the fall semester are as follows:

Early Decision

Deadline: November 15

Regular Decision

Priority deadline: February 1

Applications received after this date will be considered on a space-available basis.

Fellows Program Applicants

For consideration as a Fellows candidate, the Fellows application AND the Admissions application must be submitted on or before January 15.

The priority deadline for spring semester applications is December 1.

Elon College applications are available from many high school guidance offices, on-line at <http://www.elon.edu> or directly from the Office of Admissions, 2700 Campus Box, Elon College, NC 27244. Telephone: 800-334-8448 or 336-584-2370. E-mail: admissions@elon.edu. Elon also accepts the Common Application.

Freshman applicants must submit:

1. Completed and signed application
2. \$25.00 application fee
3. High school transcript
4. SAT I or ACT test scores
5. Counselor Evaluation Form

The SAT or ACT should be taken late in the junior year and again early in the fall of the senior year. In making admissions decisions, Elon will combine the highest math and verbal scores from all test scores submitted. It is important to ensure that we receive all test scores that are available.

Freshman Admission Requirements

Admission to Elon is competitive. Elon seeks students from a variety of backgrounds with strong academic preparation who can contribute to and benefit from the college's many academic and extracurricular programs.

46

The most important factors in the admission decision are the academic record (including courses taken, grades attained and class standing) and standardized test scores. Other factors, which may be considered, include recommendations, leadership potential, extracurricular and service-related activities, special talents, relationship with the college and the ability to contribute positively to the campus community.

A student's high school academic record is a primary factor in every admissions decision. In general, students should have taken a rigorous selection of college preparatory or higher level courses throughout their four years of high school. The most promising candidates for admission will have demonstrated solid achievement in five or more academic subjects each year. Minimum preparation must include:

1. Four years of English
2. Three years of mathematics, including Algebra I, Geometry and Algebra II
3. Two years of science, including one laboratory science
4. Two years of social science, including U.S. History
5. Two years of the same foreign language

Freshman Admission Notification

Elon operates on a Rolling Admissions plan. Generally, applicants will be notified of a decision within four to eight weeks from the time that the application is complete, beginning October 1 for fall admission. Some applicants will be asked to submit new information to strengthen their chances for admission, usually new SAT or ACT scores and/or first semester grades. All the files of the students who are asked to submit first semester grades will be reconsidered in late February or early March and decisions will be mailed prior to April 1.

All offers of admission are contingent upon satisfactory completion of the senior year courses. Elon reserves the right to withdraw an acceptance if the final grades are unsatisfactory.

The Early Decision Plan

Well-qualified high school students who decide at the close of their junior year that Elon College is their first choice may take advantage of the Early Decision Plan.

To be considered for Early Decision, a student may apply any time after completion of the junior year, but the application must be completed no later than November 15 of the senior year. The application must be sent with the high school record, scores on the SAT and/or ACT, the Counselor Evaluation Form and a signed Early Decision agreement.

Students accepted under the Early Decision Plan have several advantages: (1) notification of the admissions decision within three weeks of the receipt of the completed application package, beginning October 1; (2) the opportunity to attend the first Spring Orientation Weekend; (3) priority status for housing and registration; and (4) an early financial aid estimate.

Accepted Early Decision students must submit a nonrefundable \$300 deposit by January 15 and withdraw applications from all other colleges at that time.

47

Transfer Admission

Transfer students are admitted at all class levels based on their academic record at the institution from which they are transferring. In order to graduate, one full academic year of study (at least 33 semester hours) must be completed at Elon, including the last term before graduation.

To be admitted for advanced standing, the student is expected to have at least an overall "C" average on work attempted at other institutions, to be eligible to return to the last institution attended and to be recommended by college officials.

An applicant having less than 24 semester hours of transferable college credit at the time of application must also meet freshman admission requirements.

In order to be considered for transfer admission a student must:

1. Submit a completed and signed transfer application form with the \$25 application fee.
2. Have official transcripts sent from all two-year or four-year colleges attended.
3. Have a Dean's Evaluation Form completed by the dean of the last college attended verifying eligibility. This form is not required if the student has received an associate degree.
4. Have official high school transcript and SAT or ACT scores sent. The SAT/ACT requirement may be waived for some advanced students or nontraditional students who did not take the test while in high school.

The priority deadline for transfer application for the fall semester is June 1; for spring semester, December 1. After these dates applications will be considered on a space-available basis.

Transfer Credit

Students earn credit for courses taken through college parallel programs at accredited junior colleges or community colleges and for courses taken at accredited four-year colleges and universities. Transcripts are evaluated and credit is awarded on

a course-by-course basis after the student has been accepted for admission. The freshman course, GST 110, Global Studies, is waived for students transferring 18 hours or more.

No more than 65-semester hours of credit will be allowed from two-year institutions. No credit is allowed for courses with a grade lower than "C-". Credit will not be given for classes taken while a student is under academic suspension.

International Student Admission

48

Elon College recognizes the importance of intercultural experiences in education. International students from more than 20 countries attend Elon each year. Prospective students from outside the United States may obtain admissions packets from the Office of International Admissions. International students must submit the International Admissions application with a nonrefundable \$25 (U.S. dollar) application fee, translated transcripts from all secondary and post-secondary schools attended and a completed Certificate of Financial Responsibility (CFR).

The Test of English as a Foreign Language (TOEFL) or English Language Proficiency Test (ELPT) with phone interview is required unless English is the student's native language or the language of instruction. Merit scholarships are available for students with outstanding academic transcripts.

International students should submit applications and documentation as early as possible since it may take several months to receive and process forms from abroad. The Office of International Admissions can be contacted by calling 336-584-2474 or 800-334-8448 (toll free in the USA); FAX is 336-538-3986; E-mail address is interadm@elon.edu. Inquiries may also be directed to the office by accessing Elon's web site at www.elon.edu/international.

Enrollment Deposit for all Resident Students

To complete acceptance and reserve a room for the fall semester, an enrollment deposit of \$300 is recommended within one month of acceptance but no later than May 1 for fall semester enrollment. (Exception: the nonrefundable \$300 deposit for Early Decision students is due no later than January 15.) For students who are accepted after May 1, the enrollment deposit is due within one week. Room assignments are made according to the date of deposit, with Early Decision students assigned first. For the spring semester, an enrollment deposit of \$300 is recommended within one month of acceptance but no later than January 15.

Refund Policy

The fall semester enrollment deposit may be refunded in full by notifying the Office of Admissions in writing prior to May 1. After that date \$150 is refundable until June 15. Early Decision and spring semester enrollment deposits are not refundable. Exceptions to this policy must be authorized by the Dean of Admissions and Financial Planning and are generally limited to those students for whom Elon is not able to meet demonstrated financial need.

Enrollment Deposit for all Commuter Students

To complete acceptance for the fall semester, an enrollment deposit of \$150 is requested within one month of acceptance but no later than May 1. For students accepted after May 1, the enrollment deposit is due within one week. The deposit is not refundable after June 15.

For the spring semester, the \$150 enrollment deposit is due no later than January 1 and is not refundable.

Residency Requirement

Elon College has a two-year residency requirement. All first- and second-year students are required to live on campus except those who are living with their parent(s). This requirement is waived for transfer or non-traditional students who have been out of high school at least two years. Exceptions to this policy must be approved by the Vice President for Student Life.

49

Special Students

The college admits a limited number of special students who are not working toward degrees at Elon College. Special students include:

- Persons taking only private music instruction in the Department of Fine Arts. Such applicants are admitted if instructors are able to schedule lessons for them.
- High school graduates taking classes of special interest. Persons out of high school less than two years are required to submit a copy of their high school transcript and SAT/ACT scores.
- Visiting students from other colleges attending summer and winter terms.
- College graduates interested in further study at Elon. Such applicants are admitted if they fulfill requirements for admission to the desired courses.
- College graduates working toward teacher licensure or relicensure.
- High school students taking classes on the Elon campus during their senior year. Credit for this work is generally transferable to other institutions. (Credit Bank Application required.)

Special students may register for no more than eight hours per semester without approval of the Dean of Academic Affairs.

Acceptance on Condition

Students who have graduated from a secondary school but who do not meet the requirements in subject matter areas and units may be accepted on condition. Any deficiency must be eliminated before beginning the sophomore year at Elon. A student entering with a deficiency may not be able to complete degree requirements in eight regular semesters.

Students whose deficiencies indicate a need for special work may be required to participate in the Transitional Program. Upon successful completion of this work and recommendation by the Transitional Program Coordinator, the student may proceed with regular course work.

Advanced Placement Examination

Students earning a score of three or better in the Advanced Placement Tests of the College Entrance Examination Board taken in high school may receive credit in the following fields: art, biology, chemistry, computer science, economics, English, French, German, history, mathematics, music, physics, political science, psychology and Spanish. Scores should be sent to the Office of Admissions.

International Baccalaureate

Students earning a score of 4 to 7 on higher level exams will receive at least four semester hours of credit. No credit is awarded for subjects passed at the standard level of IB. Scores should be sent to the Office of Admissions.

50

College-Level Examination Program (CLEP)

The College-Level Examination Program (CLEP) of the College Board enables students to earn college credit by examination. Students desiring credit by examination must earn a scaled score of 500 on the General Examinations and/or a score of 50 on the Subject Area Examinations. Credit may be awarded in the following areas: composition and literature, foreign language, history and social sciences, science and mathematics. Scores should be sent to the Admissions Office.

Department Examination

Students may contact the Dean of Academic Affairs for details concerning the process of credit through examination by departments at Elon in areas not covered above. The cost for each examination is \$257.

Credit for Veterans

Veterans entering Elon may transfer certified credits from various areas:

- Military personnel on active duty who wish to submit CLEP credits should see their Education Officers concerning CLEP tests or write to USAFI, Madison, Wisconsin.
- Work from other accredited post-secondary institutions may be accepted.
- Students with one year of active duty in military service will receive credit for the Physical Education requirement by bringing a copy of their DD-214 Form to the Registrar's Office for verification.

General Costs

The cost of attending Elon College is purposely held at a reasonable level. The chart on page 52 gives the particular charges for resident and commuter students. Please note that there are special tuition rates for part-time students.

Student Government Association and health service fees are collected from all students enrolled for nine or more semester hours during registration.

Costs Covered by Tuition

Included in the tuition fees are costs of registration, use of the library and recreational facilities, admission to home athletic events, student publications, post

office box, regular laboratory fees and 12 to 18 semester hours of work, inclusive each semester.

The tuition, fees and estimated book expenses do not include fees for special courses and special laboratory work which depend on the course of study undertaken. Personal expenses vary with the individual student. For the student who must earn money toward his/her college expenses, a number of work opportunities are available through the Career Center and the Human Resources Office.

The Meal Plan

All residence hall students are required to participate in the meal plans in the college dining halls. The cost of the meal plans is subject to change without notice. Double charge is made for special diets. Students living off campus may purchase a semester meal ticket, use the Elon Card (a debit card for use in dining halls and the Campus Shop) or purchase individual meals.

51

Book Expenses

The estimated cost of textbooks is \$650 for the academic year, including \$325 needed for purchases from the campus bookstore at the opening of fall semester.

Room Change Charge

Students changing rooms without permission of the Dean of Students are charged for both rooms.

Expenses for the 1999-2000 Academic Year**Full-Time Enrollment/Day Students (12-18 hours)****52**

	Fall Semester	Winter Term*	Spring Semester
Tuition	\$6,335.50	\$257.00/hour	\$6,335.50
Room – Main Campus			
Double	1,037.00	281.00	1,037.00
Single	1,346.00	355.00	1,346.00
(Double as single)+	1,450.00	382.00	1,450.00
Room – Danieley Center			
10 person flat	1,037.00	281.00	1,037.00
8 person flat	1,200.00	325.00	1,200.00
4 person flat	1,450.00	382.00	1,450.00
Board** (winter term billed with fall semester)			
5 Meal Plan	907.00	184.00	723.00
19 Meal Plan	1,379.00	281.00	1,098.00
15 Meal Plan	1,422.00	290.00	1,132.00
Unlimited	1,549.00	316.00	1,233.00
Student Government	60.00		60.00
Health Service	52.50		52.50
Overload***	257.00/hour		257.00/hour
Security Deposit (refundable, applies to residence hall students only)			100.00

* Students enrolled full-time for either fall or spring semester (within the same academic school year) are not charged for winter term room or tuition if no overload exists in winter term. Residence hall students enrolled full-time fall semester not attending winter term will be eligible for a credit for winter term board.

** 5 Meal Plan – 5 dining hall meals per week and \$325 Elon Card balance each semester (fall and spring) and \$150 Elon Card balance winter term.

19 Meal Plan – 19 dining hall meals per week and \$60 Elon Card balance each semester (fall and spring) and \$30 Elon Card balance winter term.

15 Meal Plan – 15 dining hall meals per week and \$110 Elon Card balance each semester (fall and spring) and \$55 Elon Card balance winter term.

Unlimited Meal Plan – Unlimited dining hall meals per week and \$70 Elon Card balance each semester (fall and spring) and \$35 Elon Card balance winter term.

Meal Plan Requirements: A meal plan is required for all students living in Residence Halls and Danieley Center Flats and Sophomores in apartments. The 5 meal plan is the **minimum required** board plan for Sophomores living in Danieley Center A-F, K and Elon Place Apartments. Students living in traditional Residence Halls and Danieley Center flats (G-J) **may not** select the 5 meal plan. Elon Card balances from meal plans are restricted for meals and food purchases only and is not refundable if not used. Meal plan money **may not** be used in the campus shop.

*** More than 18 hours in fall or spring; more than four hours in winter.

+ Provided space is available and approval given by Residence Life Office

Part-Time Enrollment/Day Students and All Evening School

Tuition	1-8 hours	\$257/hour
	9-11 hours‡	\$397/hour

‡ Day students enrolled for 9-11 hours must pay SGA and health fees.

Evening students can enroll in no more than four semester hours in the day program.

Graduate Programs

MBA Tuition	\$272/hour
M.Ed. Tuition	\$223/hour
MPT Tuition	\$16,330/year

53

Summer School 2000 - TBA

Special/Optional Fees *(No Refund After Drop/Add Deadline)*

Applied music lessons:

Each one semester hour credit or audit for non-music majors	\$257
First special instruction class for music majors	\$150/credit hour
Each one semester hour credit or audit for music majors taking second or additional lessons	\$242
Auditing per course	\$125

Charges for other courses with special fees are listed in the catalog and/or the course schedule.

Graduation Fees

Bachelor's Degree	\$40
Master's Degree	\$50

Miscellaneous Fees

Auditing per course	\$125
Late registration/Reenrollment during term	\$25
Late payment	\$30
Adding a course after Drop/Add Day	\$10
Transcripts	\$5
Security deposit (residence hall damage and key return) refundable upon completion of housing contract	\$100
Examination for course credit	\$257
Automobile registration	
Resident students	\$50
Commuter students	\$40
Replace I.D. card/meal ticket	\$30
Returned check fine	\$20

A student's grade or graduate's diploma and transcripts will be withheld until his/her financial obligations to the college are settled. A student cannot register for further course work until financial obligations to the college are settled.

Refunds

Academic Year— Fall and Spring Semester*

Undergraduate, MBA, M.Ed.

Tuition, fees and room charges are refunded as follows:

- Students will receive refunds on a pro rata basis during the first eight weeks of the semester. Following is a table of pro rata charges:
- | | |
|---|-----------|
| 1st week pro rata charge | 5% |
| 2nd week pro rata charge | 10% |
| 3rd week pro rata charge | 40% |
| 4th week pro rata charge | 60% |
| 5th week through 8th week pro rata charge | 75% |
| 9th week — | no refund |

- * Upon withdrawal, meal ticket refunds are prorated throughout the semester.

Exception to the above policy is as follows:

- Students receiving Title IV financial aid and attending Elon College for the first time will receive refunds according to the policy listed below.
 - Refunds will be made to students who (a) do not register for the semester for which Title IV financial aid was intended, or (b) withdraw and do not complete the period of enrollment for which the Title IV assistance was intended. Refunds (except for board charges) will not be made after 60 percent of the semester for which the student has been charged has passed.
 - The portion of the semester for which a student can receive a refund is computed by dividing the time (in weeks) remaining in the semester by the total time (in weeks) of the semester and rounding downward to the nearest 10 percent.
 - Any unpaid charges owed by the student will be deducted from the calculated refund.
 - Students who withdraw after 60 percent of the semester has passed will receive a refund of board charges on a pro rata basis.
 - Refunds under Title IV programs will be made on a pro rata basis to the student and any payers based on the percentage of charges paid by each source.
- Medical withdrawals will be handled on a case-by-case basis.
- The effective date of withdrawal is determined by the Office of the Associate Dean of Student Life. Students and parents who believe circumstances warrant an exception from the published policy must appeal to Mr. Gerald Whittington, Vice-President for Business and Finance, Room 113, Alamance Building.

Master of Physical Therapy Program

Students will receive refunds on a pro rata basis during the first 13 weeks of each half of the academic year. The first half begins with the first day of classes in

*Upon withdrawal, meal plan refunds are prorated.

January. The second half begins with the first day of July. Following is a table of pro rata charges:

Start of the period through the end of 3rd week	10% charge
4th week through the end of the 7th week	50% charge
8th week through the end of the 13th week	75% charge
14th week	no refund

The effective date of withdrawal is determined by the Dean of Student Life. Students and parents who believe circumstances warrant an exception from the published policy must appeal to Mr. Gerald Whittington, Vice President of Business and Finance, Room 113, Alamance Building.

55

Unpaid charges owed by the student will be deducted from the calculated refund.

The acceptance deposit is non refundable.

Exceptions to the Institutional Policy

1. Students receiving Title IV financial aid and attending Elon College for the first time will receive refunds as follows:

Refunds will be made to students who (a) do not register for the semester for which Title IV financial aid was intended, or (b) withdraw and do not complete the period of enrollment for which the Title IV assistance was intended. The portion of the period for which a student can receive a refund is computed by dividing the time (in weeks) remaining in the period by the total time (in weeks) of the period and rounding downward to the nearest 10 percent, less any unpaid amount owed to the college. Refunds will not be made after 60 percent of the period has been completed. Each enrollment period is considered to be 25 weeks.

2. Medical withdrawals will be handled on a case-by-case basis.

Winter Term and Summer School*

Students who end enrollment during the second or third day of classes of winter term will receive a 90 percent refund of tuition and room charges. Students who end enrollment during the fourth or fifth day of classes of winter term will receive a 50 percent refund of tuition and room charges. Students who end enrollment during the sixth or seventh day will receive a 25 percent refund of tuition and room charges. There will be no refund after the seventh day of classes.

Students who end enrollment during the second or third day of classes in Summer I will receive a 90 percent refund of tuition and room charges. Students who end enrollment on the fourth, fifth or sixth day of Summer I will receive a 50 percent refund of tuition and room charges. Students who end enrollment on the seventh through tenth day of Summer I will receive a 25 percent refund of tuition and room charges. There will be no refund after the tenth day of classes.

Students who end enrollment on the second or third day of classes of Summer II will receive a 90 percent refund of tuition and room charges. Students who end enrollment on the fourth day of classes of Summer II will receive a 50 percent

*Upon withdrawal, meal plan refunds are prorated.

refund of tuition and room charges. Students who end enrollment on the fifth, sixth and seventh day of classes in Summer II will receive a 25 percent refund of tuition and room charges. There will be no refund after the seventh day of classes.

The refund policy for MBA and M.Ed. are listed in the catalog for those programs.

Notice of Withdrawal

In order to be eligible for a refund upon withdrawal a student must notify the Dean of Student Life in writing of his/her intentions. The student must also check out with the Financial Planning and Bursar's offices. Refunds are calculated as of the date of withdrawal specified by the Dean of Student Life.

56

Financial Aid

Elon College is committed to assisting eligible students in securing the necessary funds for a college education. To the extent possible, eligible students receive aid through careful planning and various forms of financial assistance.

In order to receive any type of college, state or federal aid, students must demonstrate satisfactory academic progress toward the completion of degree requirements. No financial aid is offered until an applicant has been accepted for admission to Elon College; however, prospective freshmen should not wait to be accepted before making application for aid.

Financial aid programs vary by source, eligibility criteria and application procedures. While every effort is made to meet each student's full need, that is not always possible, due to a limited amount of aid available. Students will be offered a financial aid "package" which is an award consisting of one or more of the following types of aid: scholarships, grants, low-interest loans and campus employment. Scholarships and grants are "gift assistance" which do not have to be repaid while loans and work are referred to as "self-help." Financial aid packages may consist of all self-help or a combination of self-help and gift assistance. Applying early for financial aid improves your chances of getting the maximum aid for which you are eligible.

Financial Assistance Based on Need

There are a variety of need-based financial aid programs. The federal government, some states (including North Carolina) and the college itself offer grant, loan and work-study programs. Grants are funds which do not have to be repaid, loans to students are generally repayable only after the student is no longer enrolled, and work-study funds are earned through employment on campus. Many students use work-study funds to meet their personal financial needs during the school year.

All need-based financial aid is renewable up to four years provided the same level of need is demonstrated each year, the student maintains satisfactory academic progress as defined by the college for financial aid purposes and the funds remain available. Renewal cannot be assured to those students whose financial aid application files are completed after March 15 of any year.

Federal Programs

Federal Pell Grant

For students with a high need, Pell Grants provide from \$400 to \$3,125 annually.

Federal Supplemental Educational Opportunity Grants

Federal funds given to and awarded by the college to students demonstrating high need. Amounts vary.

Federal Stafford Student Loans (Subsidized)

Moderate interest loans awarded directly to students which are available through many state agencies and private lenders. Freshmen may borrow up to \$2,625 annually, sophomores up to \$3,500 annually, and juniors and seniors up to \$5,500 annually. These loans are federally guaranteed and no interest accrues, nor is any payment due, until six months after the student ceases to be at least a half-time student. Separate application required.

Federal Perkins Loans

Federal funds given to and awarded by the college to students demonstrating high need. No interest accrues and no payment is due while the student is enrolled at least half-time. Repayment begins nine months after the student ceases to be at least a half-time student. Amounts vary.

Federal College Work-Study

Awarded to students with need who work on campus and who are paid according to hours worked. Awards vary based on amount of need. Work-study earnings are not paid in advance so they cannot be used to pay the direct costs (tuition, room, board, books, etc.) of the semester in which they are awarded.

State Programs

North Carolina Contractual Scholarship Fund

State funds given to and awarded by the college to North Carolina residents with need. Amounts vary.

North Carolina Student Incentive Grant

Awards of up to \$1,500 annually for North Carolina residents.

Pennsylvania and Vermont State Grants

For students who are residents of these states. Amounts vary.

Elon College Programs

In addition to the numerous federal and state programs, the college offers its own need-based assistance. Funds for these programs are provided directly by the college as well as through donations and gifts to the college by many individuals, businesses and foundations. All students who apply for need-based aid and who demonstrate need are automatically considered for these funds. No separate application is required.

Institutional Grants

College grants based solely on demonstrated need. Amounts vary in accordance with need.

Need-based Endowed Scholarships

Awarded to students who demonstrate need and who meet certain other criteria as established by the donors. The college identifies eligible students and awards these funds accordingly. No separate application is required.

Financial Assistance Not Based on Need

There is help available for students and families who do not qualify for need-based aid. This help is in the form of scholarships, grants, loans and work-study. Listed below are some of the opportunities available from Elon, state and federal governments and outside sources.

58

North Carolina Legislative Tuition Grant

Every North Carolina resident who attends Elon as a full-time undergraduate student automatically receives a Legislative Tuition Grant of approximately \$1,600 from the North Carolina General Assembly. The exact amount of the grant is set annually by the General Assembly. A brief application must be completed at registration to show legal residency.

UCC Ministerial Discount

\$1,000 per year (\$500 per semester) to full-time students who are legal dependents of full-time ministers in the United Church of Christ. Documentation of eligibility is required.

North Carolina Teaching Fellows

Elon is one of only two private colleges in North Carolina selected to offer the prestigious North Carolina Teaching Fellows program. Fellows attending Elon receive a minimum annual funding of \$13,000 for four years plus air fare to London for one semester. \$6,500 is provided by the North Carolina Teaching Fellows commission and an additional \$6,500 is guaranteed by Elon, including the North Carolina Legislative Tuition Grant. Fellows are selected by the Teaching Fellows Commission which provides its \$6,500 per year contribution on the condition that Fellows teach for four years in N.C. public schools after graduation. Elon admits 25 Teaching Fellows each year.

Presidential Scholarships

Presidential Scholarships of \$1,000-\$3,000 annually are awarded to approximately the top one-fourth of the entering freshmen each year. The awards are based on high school course selection, class rank and/or grades and SAT/ACT scores. No separate application is needed. Scholarships are automatically awarded to students who meet the necessary criteria when the completed admissions application is reviewed. All Presidential Scholarships are renewable for a total of four years pending acceptable academic performance.

Fellows Scholarships

Elon's fellows programs offer exciting academic and personal growth opportunities beyond the scope of the usual college experience—opportunities like travel grants, special courses, guaranteed internships or paid research assistantships. In addition, each of the Fellows programs offers scholarships to selected incoming Fellows. To be considered for one of these scholarships, students must apply and be

admitted to the Fellows program. The scholarships are renewable for a total of four years provided that all program requirements are met. Although it is possible to be admitted to more than one Fellows program, a student may only be awarded one Fellows scholarship. These Fellows scholarships are awarded in addition to any Presidential Scholarship that has been received.

To receive more information and an application for the Fellows programs, contact the Office of Admissions. Applications must be submitted by January 15. The admissions application must be submitted by the same date.

Honors Fellows Scholarships

Ten scholarships of \$2,000 annually and two scholarships of \$5,000 annually are awarded to freshman Honors Fellows each year.

Science Fellows Scholarships

Ten scholarships of \$2,000 annually are awarded to incoming Fellows each year. All Science Fellows must major in either biology, chemistry, physics, mathematics or computer science.

Jefferson-Pilot Business Fellows Scholarships

Two scholarships of \$2,000 annually are awarded to incoming Fellows each year. Jefferson-Pilot Business Fellows must major or minor in either business administration, economics or accounting.

Journalism and Communications Fellows

Two scholarships of \$2,000 annually are awarded to Fellows each year.

Isabella Cannon Leadership Fellows

Four scholarships of \$1,000 annually are awarded to freshmen Fellows each year.

Fine Arts Scholarships

The Department of Fine Arts awards scholarships to outstanding freshmen in the field of music and theatre on the basis of audition. The scholarship amounts vary. Contact the Fine Arts Department.

Athletic Scholarships

In compliance with NCAA Division I regulations, athletic scholarships are awarded by the Department of Intercollegiate Athletics in each sport offered at Elon. The awards are based on performance and the amount varies. Contact the Athletics Department.

Reserve Officers Training Corps (ROTC)

The United States Army offers four-year scholarships which cover the cost of tuition and books for four years, plus \$100 per month for personal expenses. Elon provides room and board at no cost to all four-year ROTC scholarship winners. The Army also offers some two-year scholarships for which students in the Elon ROTC program may compete.

Private Scholarships

Foundations, service clubs, churches and corporations give away millions of dollars of scholarships each year to worthy students. Many Elon students receive this type of scholarship help in addition to other types of help they may be receiving.

Students generally seek these scholarships on their own. A good place to start is

by asking your high school guidance office about community and other scholarships with which they may be familiar. Then ask about the availability of scholarships at places where family members are employed, through your church and through any organizations to which family members belong. Finally go to the public library for guidebooks to scholarships from foundations, corporations and government agencies or search the World Wide Web for information on scholarship sources.

Campus Employment

Many Elon students pay for some of their college living expenses by working a part-time job, either on or off campus. The opportunities for campus employment at Elon are available both to students who qualify for need-based assistance and to students who do not.

Students in part-time jobs get valuable experience, learn time-management skills, build friendships with the office personnel and, in certain cases with the approval of the Director of Experiential Education, receive internship credit.

Loan Options That Are Not Based on Need

Several sources of long-term loan funds are available that are based on credit worthiness rather than "need."

Federal Parent Loan for Undergraduate Students (PLUS)

Parents may borrow up to the cost of education (at Elon, \$17,447 for tuition, fees, room and board and \$2,891 for books and miscellaneous expenses for 1999-00) less any other aid per academic year for each dependent enrolled at least half-time. Interest rate is variable and is based on the 91-day T-bill rate plus 3.10 percent with a cap of 9 percent. Repayment is not deferred during the student's period of enrollment.

Federal Stafford Student Loans (unsubsidized)

Available to all students regardless of need. Loan amounts are the same as for the need-based subsidized program. However, under this program, borrowers do not qualify for federal interest subsidy payments, thus interest accrues while the student is in school. Repayment of principal begins six months after the student is no longer enrolled half-time. The interest rate is variable, capped at 8.25 percent and is based on the 91-day T-bill rate plus 2.3 percent. Separate application required. Note: Students must file an application for need-based financial aid to be considered for one of these loans. A determination must first be made that the student is not eligible for a need-based subsidized loan. (See "How to Apply for Need-Based Financial Aid.")

HOW TO APPLY FOR FINANCIAL AID

Note: The filing dates listed below will help you meet our priority deadline of March 15. Applications will be accepted after these dates, but funding cannot be guaranteed.

- As soon after January 19 as possible, but before February 15, complete and submit a Free Application for Federal Student Aid (FAFSA). All students applying for any kind of federal or institutional financial aid (except PLUS loans) must file the FAFSA. Elon's federal Title IV School Code is 002927.
- If you wish to be considered for all aid programs (not just federal programs),

register for the Financial Aid PROFILE service. You should register no later than January 15. CSS will send you a customized PROFILE application. You should complete and submit the application as soon after January 1 as possible, but no later than February 15. Elon's CSS Code is 5183.

- Complete an Elon College 1999-2000 Financial Aid Application. This form may be submitted at any time but, like the forms listed above, it should be submitted before February 15.
- Certain applications may require that Elon College request additional information. Respond to these requests as soon as they are made.
- Notify Elon's Office of Financial Planning of any scholarships, grants, loans or other assistance you will be receiving from any source other than Elon College. Such notification is required by federal regulation as well as institutional policy and failure to do so may affect previously made financial aid offers.

61

NEED-BASED FINANCIAL AID APPLICATION PROCESS FOR CONTINUING STUDENTS

Students must reapply for financial aid each academic year. Continuing students currently receiving financial aid will be sent a renewal financial aid packet sometime during late fall. The packet will contain those forms necessary to apply for aid for the following academic year. Specific instructions will be included as to how and when to complete the application process.

Payment Options

VISA/MasterCard/Discover

Elon College accepts these charge cards for payment of tuition and fees.

Ten-Month Payment Plan

Charges for the entire academic year, minus financial aid, are divided by 10 for monthly payments from June 1 through March 1. This plan is administered by a third party.

Endowed Scholarships

The following scholarships are awarded to students who have completed the application procedures described for need-based aid. Awards are made by the Office of Admissions and Financial Planning according to the guidelines of the individual scholarships.

- Alamance Caswell County Medical Auxiliary Scholarship
- Edward M. Albright Memorial Fund
- Simeon Lee Allen Scholarship
- Nina and Dickie Andrews Scholarship
- Anonymous Endowed Scholarship
- The Rev. J. Frank Apple Memorial Scholarship
- Arendell-Ellington Endowed Presidential Scholarship
- Asheville-Charlotte A. Hebard Scholarship
- J. O. Atkinson Memorial Scholarship
- Barrett-Harward Scholarship
- Mrs. Louise T. Barringer Scholarship
- Thomas L. and Kitty Rook Bass Scholarship

- Walter H. Bass III and Barbara Day Bass Scholarship
- Robert C. Baxter Scholarship
- A. Vance Beck, Sr. and Gwendolyn D. Beck Scholarship
- Robert Charles Beisinger Scholarship
- Fitzgerald-Board Scholarship
- Representative Fred Bowman Scholarship
- Barry A. and Martha F. Bradberry Endowed Scholarship
- Jennie Willis Atkinson Bradford Scholarship
- Ned F. Brannock Scholarship
- Dr. and Mrs. R. E. Brittle Scholarship
- Wesley G. Brogan Honorary Scholarship
- Trudie K. Bueschel Christian Education Scholarship
- Burlington Business and Professional Women's Club Scholarship
- Burlington Handbags Scholarship
- William E. "Buster" Butler, Jr. and Mary Griffin Butler Scholarship
- Byrd Scholarship
- Caddell Memorial Scholarship
- John L. Cameron Scholarship
- The Pauline Nina Taylor Cammack Memorial Scholarship
- Isabella Walton Cannon Scholarship Endowment Fund
- The Dr. George L. Carrington Scholarship
- Fanny Pearle Castor and Frank Stevens Castor Endowment Fund
- Caswell-Alamance Scholarship
- Philip Vance Cates Memorial Scholarship
- The Z. Vance and Philip Vance Cates Scholarship
- Wallace L. Chandler Scholarship
- Frederica Olsson and Constant Woodman Chase, Jr. Scholarship
- Cheek Scholarship
- Class of 1925 Scholarship
- Class of 1930 Scholarship
- Class of 1940 Scholarship
- Class of 1941 Scholarship
- Albert Coltrain Endowed Scholarship
- Community Congregational Church, Southern Pines, NC, Scholarship
- George D. and Sue Watts Colclough Scholarship
- Carl and Betty Coley Scholarship
- Alyse Smith Cooper Music Scholarship
- Janie E. Council Scholarship
- Billy Crocker Jazz Scholarship
- Alan Wheeler Crosby Memorial Scholarship
- Verona Daniels Danieley Scholarship
- T. B. Dawson Scholarship
- Dewey and Alfred Dofflemyer Scholarship
- William H. and Kathryn M. Duncan Scholarship
- W. Clifton Elder Scholarship
- Elon College Community Church Scholarship
- First Christian Church, Portsmouth, Va. Memorial Scholarship
- Clyde Lee and Bertie S. Fields Memorial Scholarship
- Shannon Marie Fields '84 Memorial Endowed Scholarship
- First Union Bank Scholarship
- A. J. Fletcher Music Scholarship

- H. Terry and Nonnie B. Floyd Scholarship
- Lacy R. Fogleman Scholarship of St. Mark's Reformed Church
- Lacy R. Fogleman, Jr. and Laura Ann Fogleman Music Scholarship
- Rudy M. and Frances Turner Fonville Scholarship
- Franklin Congregational Christian Church Scholarship
- E. E. Funderburk, Jr. MD Scholarship
- The Charles A. Frueauff Foundation Scholarship
- Allen Erwin Gant Scholarship
- The John L. Georgeo Scholarship
- Glaxo Women in Science Scholars Endowment
- Glen Raven Mills Educational Award
- The Mills E. and Katherine B. Godwin Scholarship
- Sallie Boren Goley Endowed Presidential Scholarship
- Judge Eugene A. Gordon Scholarship
- Eugene B. and Jo McAdams Grimley Scholarship
- John S. Graves Scholarship
- Griswold-Watts Scholarship
- Mable M. Haith Scholarship
- Jewell Presnell and Carl C. Hall Memorial Scholarship
- Robert Kelley and Pearle J. Hancock Scholarship
- Dr. Howard S. Hardcastle Memorial Scholarship
- Richard Carlisle Haworth Mathematics Scholarship
- Ollie Clemmons Hedrick and Leah Margaret Tickel Hedrick Scholarship
- Edward Everett Holland Scholarship
- Howard Braxton Holmes Memorial

Fund

- Vitus Reid Holt Scholarship
- A. L. Hook Scholarship
- Dewey S. Hooper Scholarship
- Bernice and Doris Horne Scholarship
- Kenneth K. and Lucy Caddell Hughes Scholarship
- Alfred W. Hurst Memorial Scholarship
- William Pressley Ingram Scholarship
- Edward, Rena Maude, and Allen Iseley Scholarship
- Archie and Adelaide Israel Scholarship
- Randolph I. Isley, Sr. Scholarship
- Laura and Nelson Jackson Scholarship
- Mr. and Mrs. Burney Jennings Scholarship
- Dr. I. W. Johnson Scholarship
- Ada Smith Johnston Scholarship
- Charles D. Johnston Scholarship
- Effie Wicker Johnston Music Scholarship
- The Benjamin Grover Johnston Award – Martha & Spencer Love School of Business
- Rebecca Johnston Music Scholarship
- Virginia Somers Jones Scholarship
- John M. Jordan Scholarship
- Lecy Martin Kernodle Scholarship
- Virginia Beale Kernodle Scholarship
- Neill L. Key Scholarship
- Lucian and Lelia King Scholarship
- Sherri Sparrow King Scholarship
- Ralph F. and Florance Kirkpatrick Scholarship
- William A. Klopman, Jr. Memorial Scholarship

- Mildred Godwin Knight Endowed Scholarship
- Tami and Ernest Koury Scholarship
- Hosea D. and Minnie Trollinger Lambeth Scholarship
- Mittie C. Landi '96 Endowed Scholarship
- The Lester Scholarship
- Edward W. W. Lewis Scholarship
- Max Lieberman Scholarship
- Asa Liggett Lincoln Scholarship
- Jack R. and Dorothy C. Lindley Scholarship
- The Luther Alexander Lineberger, Jr. Scholarship
- Claude V. and Alva Lee Currin Long Scholarship
- Wilkes Estes Lowe, Jr. Scholarship
- Zebulon and Alma Lynch Scholarship
- Lynnhaven Colony Congregational Church (UCC) Scholarship
- Sue Boddie Macon Memorial Fund
- Winona Morris Madren Scholarship
- W. L. and Beulah McNeill Maness Scholarship
- William Raymond Massey Scholarship
- J. Mark and Kate Strader McAdams Scholarship
- John Z. and Mildred W. McBrayer Scholarship
- John A. and Iris McEwen McCrary Scholarship
- Robert Rodgers Miskelly Memorial Scholarship
- The Jane Belk Moncure Scholarship
- Mr. and Mrs. B. A. Moser Scholarship
- Niagara Church Scholarship
- Francis Asbury Palmer Scholarship
- Annie Ruth Webb Parker Scholarship
- Mable Somers Peeler Scholarship
- The Vivian Wrenn Pell Scholarship
- Edward T. and Nan P. Perkins Endowed Scholarship
- Wayne H. and Mabel B. Perrine Memorial Scholarship
- The Donald W. and Shirley M. Perry Scholarship
- Paul C. and Margaret S. Plybon Scholarship
- Rex and Ina Mae Powell Scholarship
- O. D. Poythress Scholarship
- The Rev. Lacy M. Presnell Memorial Scholarship
- Presser Scholarship
- Emmett H. and Katherine R. Rawles Scholarship
- Japheth E. Rawls, Jr. and Virginia R. Rawls Endowment Fund
- Paul Reddish Scholarship
- David L. Rice Memorial Scholarship
- Mary Louise and Grady C. Rich Endowed Scholarship
- Howard R. and Virginia E. Richardson Scholarship
- Richmond Alumni Chapter Scholarship
- Paul H. Ridge Scholarship
- Bessie Holmes and George B. Robbins Scholarship
- Arthur H. and Trudy B. Rogers Scholarship
- Viola V. and Amos Thornton Rollings Scholarship
- The Royster Scholarship Fund

- Albert Oscar and Mary Susan Rudd Scholarship
- William Lee and Ruth Crosby Rudd Scholarship and Loan Fund
- Sanders-Myers Memorial Scholarship
- Renold O. Schilke Trumpet Scholarship
- The Zondal Myers Sechrest Scholarship
- John Duncan Shaw Scholarship
- Nancy Gordon Sheffield Scholarship
- Dr. Charles E. Shelton Memorial Scholarship
- Grace D. Shepherd Endowed Music Scholarship
- John L. Sills, Jr. Scholarship
- W.W. and Bessie Pickett Sloan Scholarship
- Smith-Midgette Scholarship for International Study/Travel
- Charles David Smith Endowed Scholarship
- J. Harold Smith Scholarship
- Oscar F. Smith Memorial Foundation Scholarship
- Annie Ross Somers Scholarship
- John and Helene Sparks Scholarship
- Stadler's Country Hams, Inc. Scholarship
- William Wesley Staley Scholarship
- Mary Frances Stamey Memorial Scholarship
- Sigmund Sternberger Scholarships
- Alda June Jones Stevens Memorial Scholarship
- J.R. and Mary Simmons Stogsdill Scholarship
- Elwood E. Stone, Sr. Scholarship
- William H. and Marguerite R. Stratford Scholarship
- Theo Strum Scholarship
- St. Mark's Reformed Church Scholarship
- Suffolk Christian Church Scholarship
- Algernon Sydney Sullivan Foundation Endowed Scholarship Fund
- Algernon Sydney Sullivan and Mary Mildred Sullivan Scholarships
- Taylor Scholarship
- Times-News Publishing Company, Inc. Scholarship
- Troxler-Watterson Endowed History Scholarship
- Ashton P. Truitt Endowed Scholarship
- Wallace Lincoln Tuck Scholarship
- Arline Lindsay Tweed Scholarship
- Union United Church of Christ Scholarship
- C. James Velie Memorial Music Scholarship
- Elizabeth B. Vernon Scholarship
- Thyra Wright Vestal Scholarship
- Robert R. Wagner Memorial Scholarship
- Wake Chapel Scholarship
- Catherine N. Walker Scholarship
- Cynthia Nicole Ward Education Endowment
- The Sam Ward Scholarship
- Judge Thurman Warren and Allie Brower Warren Scholarship
- Dudley Ray Watson Memorial Scholarship
- L.V. and L. B. Watson Scholarship
- Watts Scholarship in Biology
- Linda Thompson Weavil Endowed Scholarship

- The Floyd E. West Scholarship
- Colonel Henry E. White Scholarship
- Margaret Delilah Bobbitt White Scholarship
- Nellie Glenn White Scholarship
- Jeanne Freeman Williams Scholarship
- William Leaford Williams, Jr. and Jo Watts Williams Scholarship
- Minnie Johnston Wilson Scholarship
- Youth Friends Scholarship
- James R. and Nina B. Young Endowment Fund
- John F. Youngblood Scholarship
- Youth Friends Scholarship

Leaders for the Twenty-First Century Scholarships

The following endowed scholarships, which are provided through the generosity of private donors, are awarded to the students who meet the criteria for the North Carolina Teaching, Honors and Leadership Fellows.

- Juanita Wheeler Keeton Scholarship
- Esther Cole and John Robert Kernodle Endowment
- Luther A. and Georgia V. Lineberger Memorial Scholarship
- C. Almon "Mon" McIver Centennial Scholarship
- Virginia Green Miles, W. Bennett Miles, and Ellen Miles Dumville Memorial Fund
- Hurley D. Rogers Memorial Scholarship
- Bertha Paschall Shipp Scholarship
- BellSouth Fellow Scholarship
- Thomas R. "Bud" and Doris Ward Stadler Scholarship
- Frederick Wharton Beazley Scholarship
- Carol Grotnes Belk Endowment
- Brannon-Sugg Scholarship
- Class of 1938 Centennial Scholarship
- J. E. Danielely Scholarship
- Thad Eure Scholarship
- Mary Ruth and Archibald F. Fleming, Jr. Scholarship
- The Frederick K. Gilliam, Sr. Scholarship
- Don S. and Margaret M. Holt Scholarship
- Margaret Plonk and S. Carlyle Isley Scholarship

Presidential Scholarships

Elon's past presidents are honored with Presidential Scholarships which are awarded to freshmen.

- William S. Long, founder and first president, 1889-94
- William Wesley Staley, 1894-1905
- Emmett Leonidas Moffitt, 1905-11
- William Allen Harper, 1911-31
- Leon Edgar Smith, 1931-57
- James Earl Danielely, 1957-73

Endowed Athletics Scholarships

Endowments for grants-in-aid in athletics are administered through the Department of Athletics in accordance with NCAA, Conference and institutional guidelines. These endowments are made possible through the generosity of private donors.

- A. Frank Andrews Golf Scholarship
- Kimberly Ann Barkman Memorial Scholarship
- R. H. Barringer Distribution Co., Inc. Tennis Endowment
- Rufus T. Blanchard Baseball Scholarship
- Gene Clate Brewer Football Scholarship
- C. V. "Lefty" Briggs Athletic Scholarship
- Luther Byrd Scholarship
- The Comer Golf Scholarship
- Dwight L. Dillon Athletic Scholarship
- Bob Dunlap Scholarship
- I. L. "Ike" Fesmire Basketball Scholarship
- John L. Frye Scholarship
- Chester Huey Scholarship
- Clyde Johnston Golf Scholarship
- Graham "Doc" Mathis Athletic Scholarship
- Florence and L. G. Matkins Scholarship
- William R. "Bill" Miller Basketball Scholarship
- L. J. "Hap" Perry Athletic Scholarship
- Rhodes-Ford Sports Medicine Award
- Tom Sawyer-Huck Finn Tennis Scholarship
- William Brown "Bill" Terrell Scholarship
- Sid Varney Scholarship
- D. C. "Peahead" Walker Scholarship
- Clyde T. and Esther Ward Golf Scholarship
- Max Ward Scholarship
- Rachel and Bethany Ward Scholarship
- Mr. and Mrs. W. Hunt Ward Golf Scholarship
- Charles Lewis Wilburn and Verna Wilburn Lee Basketball Scholarship
- S. S. "Red" Wilson Football Scholarship
- C. Carl Woods Athletic Scholarship

Endowment and Sources of Income

The income from tuition and fees constitutes only a part of the income of the college. Other sources of income include the annual gifts from the churches of the Southern Conference of the United Church of Christ; a share of the contributions received by the Independent College of North Carolina; earnings from the permanent endowment funds of the college; and the contributions of individuals, foundations, businesses and industries.

In addition to the general endowment funds of the college, special endowment funds have been established for specific purposes.

- John W. Barney Memorial Award
- Biomedical Reference Laboratory Program
- Boone Memorial Fund
- James H. R. Booth Fund
- Kathleen Price and Joseph M. Bryan Family Foundation Endowment for Faculty Development
- Isabella Cannon Leadership Program Endowment Fund
- Philip L. Carret Endowed Fund for the Jefferson Prize
- George R. Chandler Endowment Fund
- Thomas W. and Mary Watson Chandler Endowment Fund
- Civil War Collection Endowment Fund
- The Daniels-Danieley Award
- Dwight Merrimon Davidson Endowment Fund
- Elbert and Esther Fertig DeCoursey Fund
- Milton A. and Naomi F. Dofflemyer Fund
- James P. Elder Jr. Lectureship
- Elon College Community Orchestra Endowment Fund
- George Joseph Fertig Fund
- A. J. Fletcher Professorship in Communications
- D. R. Fonville Sr. Fund
- Ford Foundation Grant
- Ella V. Gray Memorial Fund
- George W. Harden Trust
- The G. Thomas Holmes and Gladys Wright Holmes Endowment for Chemistry
- Jackson Fund
- Sidney F. Jackson and Kathleen E. Jackson Lectureship
- The Jefferson-Pilot Distinguished Professorship
- The Benjamin Grover Johnston Award
- J. L. Kernodle Foundation
- John T. Kernodle Memorial Fund
- Peter Jefferson Kernodle and Louise Nurney Kernodle Memorial Fund
- Virginia Beale Kernodle Memorial Fund
- Kresge Science Equipment Fund
- R. Cruse Lewis MASTER POOLS Guild/Love School of Business Endowed Fund
- Literature, Languages and Communications Endowment
- Marjorie L. Long Lecture Series
- The Martha and Spencer Love School of Business Fund
- Iris Holt McEwen Community Service Award
- The James H. McEwen Jr. Endowment Fund
- Sarah M. Moize Endowment Fund
- Mulholland Library Endowment Fund
- NCNB Corporation Endowment for Field Studies
- The Rex and Ina Mae Powell Lecture Series
- Sophia Maude Sharpe Powell Professorship
- The Thomas Edward Powell Jr. Professorship of Biology
- The Religion Scholar Award
- Ferris E. Reynolds Lectureship
- George Shackley Award
- Ella Brunk Smith Award
- Spence Endowment Fund

- Stokes Endowment
- William J. Story Sr. Professorship
- Martha Cline Swanson Endowed Research Fund
- James T. Toney Endowment Fund
- L.L.Vaughan Chemistry Fund
- Drusilla Dofflemeyer Voorhees Fund
- Wachovia Fund for Excellence
- Watts/Thompson Endowed Chair
- The Walter and Dorothy Westafer Fund for the Fine Arts
- Milton G. Wicker Endowment Fund



General Academic Regulations

71

Registration and Courses

Classification

Classifications are made at the beginning of the college year in August.

- Freshman
1-29 semester hours completed
- Sophomore
30-61 semester hours completed
- Junior
62-95 semester hours completed
- Senior
96 or more semester hours completed

Course Load

Sixteen hours of college work per semester is considered the normal student load. Students who are on academic probation are limited to a maximum load of 12 semester hours in fall and spring semesters.

During the one-month winter term, four hours of college work is the normal load for all students.

Maximum load for any one semester is as follows:

- Fall and Spring Semesters, 18 semester hours
- Winter Term, 4 semester hours
- Summer Term, 8 semester hours

Any exception to this policy is the responsibility of the Provost/Vice President for Academic Affairs.

Course Registration

Students are expected to register for themselves on the designated days in August, January and February. Registration information is available to all students. Registration includes academic advising, selection of courses and payment of fees. Before preregistration or registration, each student should consult with his/her academic advisor on course selection, General Studies requirements, major requirements and other degree requirements. However, it is the responsibility of the

student, not the academic advisor, to ensure that all college graduation requirements are met.

Registration is for an entire course, and a student who begins a course must complete it except in unusual circumstances. Unless the student and his/her advisor consider it essential, a student should not change his/her schedule after registration.

Auditing Courses

Persons wishing to attend certain courses regularly without doing the assigned preparation or receiving credit may do so with the approval of the Registrar. The cost is \$125 for each course.

72

Changes in Class and Schedule

The college reserves the right to cancel or discontinue any course because of small enrollment or for other reasons deemed necessary. In order to assure quality instruction, the college reserves the right to close registration when the maximum enrollment has been reached. The college reserves the right to make changes in schedule and/or faculty when necessary.

Credit by Examination (Course Challenge)

A student may receive credit for a course not taken by demonstrating mastery of its subject matter. To challenge a course, a student must have the approval of the Division, the chair of the department in which the course is offered and the professor who will test the student's mastery of the subject matter. Whenever possible, the student should consult the professor far enough in advance of the term in which the examination will be taken to determine course requirements and standards and to begin to make independent preparations. However, the student should expect no assistance from the professor other than being informed of the material to be covered on the examination. Under no circumstances shall a student be allowed to attend classes of the course being challenged. The cost for each examination is \$257.

Dropping Courses

A student may officially drop any class with a "W" (withdraw without penalty) through half of the term—this includes the week of examinations. The withdrawal period applies to the regular semesters, classes taught for one half semester, winter term and the summer sessions. After that date no class may be dropped. Any exception to this policy is the responsibility of the appropriate Academic Dean's office.

A student who withdraws from the college for any reason (except for a medical reason) receives grades of "W" if the withdrawal is before the designated half-term time period. After this time a student will receive a "W" or "F" depending on his/her grades at the time of withdrawal. A student who withdraws from the college with a medical withdrawal will receive a "WD."

Independent Study

Students may engage in independent study of catalog courses and special topics. Independent Study is limited to Elon's honors students, juniors and seniors except

by special permission. A course may not be repeated by Independent Study. Details concerning the procedure for developing an Independent Study proposal may be obtained in the Registrar's Office.

Undergraduate Research

Undergraduate Research is an effort to discover something new, or to look at something from a new perspective. Students may earn academic credit for research undertaken with a faculty mentor. Research projects must include a review of the relevant research literature, research design, and significant participation in the actual conduct of the research, including analysis and interpretation. A written report is considered essential, a copy of which should be made available in the department office. Undergraduate research credit can be obtained by registering for a course numbered 499 and is limited to students with sophomore, junior or senior standing and a minimum GPA of 2.5. A limit of 8 credit hours of undergraduate research can be applied toward graduation.

73

Overload

A student whose cumulative grade point average is less than 3.0 may not register for overload hours in any term. See page 71 on course load.

Pass/Fail Elective Courses

A student may take two one-semester courses outside the major, minor and General Studies requirements on a pass/fail basis. The pass/fail option encourages students to enrich their educational experience in subjects outside their major/minor fields and General Studies requirements in which they may feel unable to maintain a desirable grade point average. The decision to take a course pass/fail must be made at registration before the first class period.

Repeat Courses

Courses repeated within four semesters of attendance (excluding winter and summer sessions) following the first enrollment in the course count only once in computing the cumulative grade point average. In such cases the most recent grade is counted rather than any previous grade(s) received. However, a course repeated more than once will count in the cumulative grade point average each time it is repeated. A course in which an "F" was received due to a violation of the Academic Honor Code may be repeated; however, the original grade will count in the cumulative grade point average. (Students receiving Veterans' benefits should consult the V.A. representative.)

Attendance

Since students must attend classes regularly in order to derive maximum benefit from their courses, the college strictly and fairly enforces policies governing classes, and students are responsible for knowing attendance regulations. Each department establishes its own attendance policy. If unwarranted absences occur, the Provost/Vice President for Academic Affairs may suspend the student from the class or from the college.

Absence From Tests and Examinations

Students who miss scheduled tests and examinations without excusable reasons may not make up such assignments. Authorization to make up tests missed for excusable reasons is obtained from the professor of the class. Final exam scheduled dates and times should not be changed for individual students or classes without prior approval from the appropriate Division Dean. Permission to make up missed exams must be secured from the Divisional Dean. This permission is ordinarily not given except on the basis of a medical statement.

Grades and Reports

74 Grading System and Quality Points

Graduation is dependent upon quality as well as upon quantity of work done.

A student earns quality points as well as semester hours if his/her level of performance does not fall below that of a "D-."

Letter grades are used. They are interpreted in the table below, with the quality points for each hour of credit shown at right.

<u>Grade</u>	<u>Quality Points</u>
A	4.0
A-	3.7
B+	3.3
B	3.0
B-	2.7
C+	2.3
C	2.0
C-	1.7
D+	1.3
D	1.0
D-	0.7
F	0.0
I Incomplete	0.0
P Passing (not counted in cumulative average)	0.0
S Satisfactory (not counted in cumulative average)	0.0
U Unsatisfactory (counted in cumulative average)	0.0
WD Medical withdrawal	0.0
W Withdrawal	0.0
NR No Report	0.0

A grade in the "A" range indicates distinguished performance in a course.

A grade in the "B" range indicates an above-average performance in class.

A grade in the "C" range indicates an average performance in which a basic understanding of the subject has been demonstrated.

A grade in the "D" range indicates a passing performance despite some deficiencies.

A grade of "F" indicates failure.

Grades of "A" through "F" are permanent grades and may not be changed except in case of error. After an instructor has certified a grade to the Registrar, he/she may change it before the end of the next regular grading period. The change must be made in writing and have the written approval of the department chair.

An "I" grade signifies incomplete work because of illness, emergency, extreme hardship or self-paced courses. An "I" grade is normally not given when a student has missed more than 30% of the class work. It is not given for a student missing the final examination unless excused by the appropriate dean upon communication from the student. The student receiving a grade of "I" completes all work no later than nine class days after mid-semester grades are due during the following semester. A final grade is submitted to the Registrar by the instructor the following Monday. After this date the "I" grade automatically changes to "F" unless an extension is granted by the Provost/Vice President for Academic Affairs.

75

Grade Point Average (GPA)

The grade point average is computed by dividing the total quality points on work attempted at Elon College by the number of hours attempted except for courses with grades of "P," "S," "WD," or "W."

Grade Reports

Students are graded at mid-semester as well as at the end of each semester. Mid-semester grades serve as progress reports and are not entered on students' permanent records.

President's and Dean's Lists

The Dean's List recognizes and encourages excellence in academic work. A student who has no grade below a "B-" and a grade point average of at least 3.4 in a minimum of 12 semester hours in any semester is placed on the Dean's List for the following semester. Those students who have no grade below an "A-" in a minimum of 12 semester hours in any semester are placed on the President's List. Classes passed on a Pass/Fail basis or classes with grades of "S," "WD" or "W" are not included in Dean's List or President's List eligibility.

Graduation With Honors

Students completing at least 66 credit hours at Elon College may be graduated with honors. Candidates for graduation with an average of 3.9 or above are graduated summa cum laude; those with 3.7 or above, magna cum laude; and those with 3.4 or above, cum laude. In computing eligibility for honors, only work attempted at Elon College will be used.

Elon College provides a comprehensive Honors Program for all students of all majors. Emphasis is placed on honors courses, special academic advising, preparation for graduate school and special activities. Honors Program students who complete a

minimum of 25 hours of honors experience and maintain a cumulative GPA of 3.2 will receive "Honors Fellow" recognition at graduation.

Access to Student Educational Records

Elon College complies with the Family Educational Rights and Privacy Act of 1974. This Act protects the privacy of educational records, establishes the right of students to inspect and review their educational records and provides guidelines for the correction of inaccurate or misleading data through informal and formal hearings. Students also have the right to file complaints with the Family Educational Rights and Privacy Act Office (FERPA) concerning alleged failures by the institution to comply with the Act.

76

Questions concerning the Family Educational Rights and Privacy Act may be referred to the Office of the Registrar.

Transcripts of Student Records

Requests for copies of a student's record should be made to the Office of the Registrar. All transcripts reflect the student's complete academic record. No transcripts are issued without the written authorization of the student. No transcript is issued for a student who has a financial obligation to the college.

Work at Other Institutions

Students who plan to take courses at other institutions must have the prior written permission of the Registrar. Currently enrolled students must have a minimum 2.0 GPA in order to transfer course credit from another institution to Elon College. After completion of such courses, the student presents an official transcript of his/her record to the Registrar.

Academic Standards and Withdrawal

Academic Standing

Academic standing is determined by the earned grade point average for any one semester of attendance and for cumulative work. A student whose cumulative grade point average falls below 2.0 is reviewed by the Academic Standing Committee and placed on academic probation or academic suspension.

Probation

Students are notified that their grade point average is below 2.0, that they are limited to a maximum load of 12 semester hours, and that three consecutive semesters on probation will result in suspension.

Suspension

Students are separated from Elon College and one academic semester must elapse before they are eligible for readmission. While suspended, students may not take classes at other institutions and transfer them to Elon College.

In order to continue at the college a student must earn a minimum grade point average each semester of 1.0 and at the end of spring semester have:

- Freshman
1-29 semester hours completed, 1.70 grade point average
- Sophomore
30-61 semester hours completed, 1.80 grade point average
- Junior
62-95 semester hours completed, 1.90 grade point average
- Senior
96 semester hours completed, 2.0 grade point average

Any student failing to meet these guidelines will be academically ineligible for the next semester and suspended from the college. During the suspension period which includes fall or spring semester, the student may apply for readmission and, if readmitted, will be placed on academic probation. A student who is suspended a second time for academic reasons is normally not readmitted to the college.

77

Dismissal

The college reserves the right to suspend or dismiss any student(s) when it believes that such action is in the best interest of the institution and/or the student(s). This action will take place only after careful consideration with the student(s) in question and all other parties with information pertinent to the matter at hand.

Withdrawal

If for any reason a student concludes that he/she must leave the college on a temporary or long-term basis, he/she must confer with the Office of Student Life to formalize plans. Faculty will be requested to report student progress in class at the time of withdrawal by indicating either a "W" or "F" grade. A student withdrawing with medical reasons will receive grades of "WD." The official record of the student cannot be cleared until the withdrawal is complete.



Academic Regulations

79

Undergraduate Degree Requirements

Degrees and Major Fields

Bachelor of Arts (A.B.)

Art	Journalism
Biology	Mathematics
Chemistry	Music
Communications (Broadcast, Corporate and Film)	Music Performance
Computer Science	Philosophy
Economics	Physics
Education	Political Science
Elementary (K-6)	Psychology
Middle Grades (6-9)	Public Administration
Secondary Certification (9-12)	Religious Studies
Special Education/LD (K-12)	Science Education
English	Social Science Education
French	Sociology
History	Spanish
Human Services	Theatre Arts
Independent Major	
International Studies	

Bachelor of Fine Arts (B.F.A.)

Music Theatre

Bachelor of Science (B.S.)

Accounting	Environmental Studies
Biology	Health Education
Business Administration (Management, Finance, Marketing, International Management and Management Information Systems)	Leisure/Sport Management
Chemistry	Mathematics
Computer science/Engineering	Medical Technology
Engineering Mathematics	Music Education
Engineering Physics	Physical Education
	Physics
	Sports Medicine

80

For graduate programs see pages 237-243 and/or the Graduate Catalog.

Bachelor's Degree Requirements

Elon College offers an academic program consisting of a minimum of 132 semester hours of credit for the bachelor's degree. The degree consists of a major field of concentration in the liberal arts or in a professional or preprofessional area, a General Studies program and elective courses. To earn a baccalaureate degree the student completes the academic program below:

1. Satisfactory work in one major subject
2. Completion of General Studies as follows:
 - a. First-Year Core
 - (1) General Studies 110 The Global Experience 4
 - (2) General Studies/English 110 4
 - (3) General Studies/Mathematics (MTH 110 or higher) 4
 - (4) General Studies/HED 110 Wellness 3
 - b. Experiential Learning (one unit)
 - c. Liberal Studies
 - (1) Expression 8

Eight hours chosen from at least two of the following: literature (in English or foreign languages), philosophy and fine arts (art, dance, fine arts, music, music theatre and theatre arts).
At least one course must be literature.
 - (2) Civilization 8

Eight hours chosen from at least two of the following: history, foreign languages and religion. Or eight hours chosen from foreign languages.
 - (3) Society 8

Eight hours chosen from at least two of the following: economics, geography, political science, psychology and sociology

(4) Science/Analysis 8

Eight hours chosen from one or more of the following: mathematics, computer science (must have the CSC department designation) and science. At least one course must be a physical or biological laboratory science.

d. Advanced Studies 12

Eight hours of Advanced level★ courses outside the major field chosen from at least two of the four areas listed under Liberal Studies (8sh)

One General Studies Interdisciplinary Seminar (4 sh)

Total hours 59

★ Advanced level courses consist of courses numbered at the 300–400 level and certain 200 level courses that have been approved by the General Studies Council. Such courses would be marked in the schedule books for each semester and in the academic catalog.

3. Electives

4. Satisfactory completion of General Studies competency assessments in the freshman and sophomore years

5. Satisfactory completion of a comprehensive evaluation in the major field of study

6. A minimum of 36 semester hours of junior/senior level work

7. One full academic year of study at Elon (33 semester hours or more), including the last term before graduation

8. Twice as many quality points as credit hours attempted must be earned

9. Participation in commencement exercises

Students must demonstrate competence in English and Mathematics or successfully complete English 100 and Mathematics 100 before beginning English 110 and the mathematics requirement in the First-Year Core.

Students who have not passed Algebra II should make up this deficiency by taking Mathematics 100 during the freshman year.

Students who have not had two years of one foreign language in secondary school must make up this deficiency by taking a first level 110 foreign language course. Courses taken to remove this deficiency will not satisfy the General Studies requirements.

A maximum of 16 semester hours of internship/cooperative education credit may be applied to the 132 semester hours required for the A.B., B.S. and B.F.A. degrees.

Students must apply for graduation by the dates published by the Registrar.

A student may graduate under the provisions of the catalog published the year of first enrollment, provided the course of study is completed within five years. After the interval of five years, a student's credits will be subject to review by the Provost/Vice President for Academic Affairs.

Students who qualify for more than one major must select the primary major for which they will receive a Bachelor's degree. No student will be awarded two degrees at commencement.

It is the student's responsibility to be familiar with the preceding requirements for graduation.

The Major

A minimum grade point average of 2.0 in the requirements for the major is required for graduation. Bachelor of Arts majors require 32-52 semester hours of credit. Bachelor of Science or Bachelor of Fine Arts majors require 32-68 semester hours of credit. The student may elect to complete more than one major. No later than the beginning of the junior year, each candidate for a Bachelor's degree must select a major field. Requirements for each major are listed with the courses of instruction.

The Minor

A candidate for the Bachelor's degree may elect a field (or fields) of minor concentration, consisting of 16-24 semester hours with a minimum grade point average of 2.0.

Courses

The departments of instruction are organized into five general divisions. These include areas of learning arranged as follows:

Division of Arts and Humanities: Art, Communication, Dance, English, Film Studies, Fine Arts, French, Journalism, Music, Music Theatre, Philosophy, Religious Studies, Spanish and Theatre Arts.

Division of Sciences and Mathematics: Biology, Chemistry, Computing Sciences, Engineering, Environmental Studies, Mathematics, Medical Technology and Physics.

Division of Social Sciences: African/African-American Studies, Anthropology, Cooperative Education, Criminal Justice, Geography, History, Human Services, International Studies, Political Science, Psychology, Public Administration, Sociology and Women's Studies.

Division of Education and Health, Physical Education and Leisure/Sport Management: Education, Health Education, Leisure/Sport Management, Military Science, Physical Education and Sports Medicine.

The Martha and Spencer Love School of Business: Accounting and Finance, Business Administration, Economics.

Courses numbered 100-199 are freshman level, 200-299 are sophomore level and 300 and above are junior/senior level.

ACCOUNTING AND FINANCE

The Martha and Spencer Love School of Business

Dean of Love School of Business: Professor Burbridge

Chair, Department of Accounting and Finance: Assistant Professor Poulson

Associate Professors: McGregor, Synn

Assistant Professors: Cox, Currie, Gibney

Accounting involves measuring business activities and communicating this information to investors, creditors and other decision makers, who use it to make sound, informed financial decisions. This practice serves to encourage investment activity, which in turn creates jobs and helps the economy to grow.

Elon's program leading to the B.S. in accounting includes the central topics of financial and managerial accounting plus an introduction to taxation, auditing and commercial law. The accounting program prepares the graduate to be a professional accountant in public accounting, industry and other organizations. This degree can also serve as a basis for graduate study in accounting and other fields, including business administration and law.

A major in Accounting requires the following courses:

MTH 116	Applied Mathematics with Calculus	4 sh or
MTH 121	Calculus and Analytic Geometry I	4 sh
ECO 201	Principles of Economics	4 sh
ECO 202	Statistics for Economics and Business	4 sh
CIS 116	Microcomputer Applications	4 sh
BUS 221	Business Law	2 sh
BUS 323	Principles of Management	4 sh
BUS 418	Commercial Law	4 sh
FIN 343	Managerial Finance	4 sh
ACC 201	Principles of Financial Accounting I	4 sh
ACC 202	Principles of Management Accounting	2 sh
ACC 203	Principles of Financial Accounting II	2 sh
ACC 331	Intermediate Accounting I	4 sh
ACC 332	Intermediate Accounting II	4 sh
ACC 336	Cost Accounting	4 sh
ACC 341	Fundamentals of Income Taxation	4 sh
ACC 442	Advanced Taxation	4 sh
ACC 451	Advanced Financial Accounting	4 sh
ACC 456	Auditing	4 sh
TOTAL		66 sh

A minor in Accounting requires the following courses:

ACC 201	Principles of Financial Accounting I	4 sh
ACC 202	Principles of Management Accounting	2 sh
ACC 203	Principles of Financial Accounting II	2 sh
FIN 343	Managerial Accounting	4 sh
Two electives from the following list:		8 sh
Electives:		
ACC 331	Intermediate Accounting I	
ACC 332	Intermediate Accounting II	
ACC 336	Cost Accounting	
ACC 341	Fundamentals of Income Taxation	
ACC 442	Advanced Taxation	
ACC 365	Accounting Applications (Winter Term)	
ACC 471	Special Topics	
TOTAL		20 sh

ACC 201. PRINCIPLES OF FINANCIAL ACCOUNTING I

4 sh

In this introduction to the financial reporting process, study emphasizes the accrual basis of accounting. Students learn to prepare and interpret income statements

and balance sheets, analyze business transactions and determine the effects of transactions on assets and equities. Offered fall and spring.

ACC 202. PRINCIPLES OF MANAGEMENT ACCOUNTING

2 sh

Students gain an overview of the ways accounting information helps managers as they plan, develop control procedures and make decisions for their organizations. The course also covers the concepts of cost behavior, cost-volume-profit analysis and the preparation of budgets. Prerequisite: ACC 201. Offered fall and spring.

ACC 203. PRINCIPLES OF FINANCIAL ACCOUNTING II

2 sh

This course continues the study of financial reporting and transaction analysis that began in ACC 201 and introduces the student to some of the procedures used by accountants to organize and summarize financial information. Students learn how journals and ledgers are prepared and how the components of an accounting system interrelate to provide the information needed for the preparation of financial reports. Prerequisite: ACC 201. Offered fall and spring.

ACC 331. INTERMEDIATE ACCOUNTING I

4 sh

Intermediate Accounting begins an in-depth study of generally accepted accounting principles and their theoretical basis. Students explore the contents of and interrelationships among the balance sheet, income statement and statement of cash flows, along with techniques for analyzing and correcting errors. Some of the more important accounting standards of the Financial Accounting Standards Board are included. Prerequisites: ACC 201 and 203. Offered fall and spring.

ACC 332. INTERMEDIATE ACCOUNTING II

4 sh

This continuation of the in-depth study of financial accounting (begun in ACC 331) emphasizes long-term liabilities and stockholder's equity, accounting for leases, pensions and other post-employment benefits and deferred income taxes. Prerequisite: ACC 331. Offered spring.

ACC 336. COST ACCOUNTING

4 sh

In cost accounting, students examine methods for gathering and analyzing

production cost data, which managers use to plan, budget and set prices for their products, with emphasis on the job order costing, process costing and standard costing methods and the interpretation of data produced by each system. Prerequisites: ACC 201 and 202. Offered spring.

ACC 341. FUNDAMENTALS OF INCOME TAXATION

4 sh

This introduction to the structure of the federal income tax system emphasizes the theories, procedures and rationale associated with the taxation of individuals. Prerequisite: ACC 203. Offered fall.

FIN 343. MANAGERIAL FINANCE

4 sh

The study of corporate managerial functions from the finance perspective covers the principle elements of financial management, including financial analysis and control, working capital administration, capital budgeting, valuation theory, capital structure and leverage, and debt and equity instruments. Prerequisites: ACC 201, ECO 201, 202 and CIS 116. Offered fall and spring.

ACC 365. ACCOUNTING APPLICATIONS

4 sh

Topics vary yearly in this study of practical uses of accounting in various business functions. Prerequisite: permission of instructor, may vary with topic. Offered winter.

FIN 413. ADVANCED MANAGERIAL FINANCE

4 sh

The in-depth study of financial management from the perspective of valutive theory involves discussions of topics such as security evaluation and capital budgeting within the framework of the Capital Asset Pricing Model. Study relates cost of capital, capital structure and leverage to valuation concepts. Examination of long-term financing includes studies of leasing as well as warrants, convertibles and options. Valuation impacts of mergers and reorganizations are also covered. Prerequisite: FIN 343.

FIN 416. FUNDAMENTALS OF INSURANCE 4 sh

This course provides a study of the basic principles of insurance contracts and the scope of coverage under the several divisions of insurance, including life, fire, casualty, marine, bond and automobile insurance. Prerequisite: FIN 343.

FIN 421. INVESTMENT PRINCIPLES 4 sh

Study centers on managing investment funds according to a predetermined goal, emphasizing safety, income and marketability, diversification and vigilance, and analysis of company management and industry trends to determine the value of securities. Prerequisite: FIN 343. Offered fall.

ACC 442. ADVANCED TAXATION 4 sh

With advanced study of taxation, including the income taxation of corporations, partnerships and estates, students will learn to locate relevant information in regulations, revenue rulings and court cases. They will report their findings in the form of written reports and memoranda. Prerequisite: ACC 341. Offered spring.

FIN 445. SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT 4 sh

This course teaches the application of tools and techniques for appraising the economy, specific industries and companies, emphasizing securities markets from the perspectives of institutional portfolio managers or personal investors. Prerequisite: FIN 343.

ACC 451. ADVANCED FINANCIAL ACCOUNTING 4 sh

Continuing the in-depth study of financial accounting that began in Intermediate Accounting (ACC 331, 332), this course includes accounting for business combina-

tions, with special emphasis on preparing consolidated financial statements for parent and subsidiary corporations. Accounting for governmental units and other not-for-profit organizations is also introduced. Prerequisite: ACC 331 and 332, or ACC 331 and concurrent enrollment in ACC 332. Offered fall.

ACC 456. AUDITING 4 sh

Study of auditing covers both theory and practice, including ethics, generally accepted auditing standards, internal accounting controls, auditors working papers, the components of audit risk, compliance testing and substantive testing. Prerequisite: ACC 331. Offered spring.

ACC 471. SEMINAR: SPECIAL TOPICS 1-4 sh

This upper level seminar, an advanced study requiring active participation by students, consists of readings, problems, reports, discussions of current topics, or preparation for professional examinations. May be conducted by departmental faculty or other resource persons. Prerequisite: permission of instructor, may vary with topic.

FIN 471. SEMINAR: SPECIAL TOPICS 1-4 sh

This upper level seminar, an advanced study requiring active participation by students, consists of readings, problems, reports, discussions of current topics, or preparation for professional examinations. May be conducted by departmental faculty or other resource persons. Prerequisite: permission of instructor, may vary with topic.

ACC 481. INTERNSHIP IN ACCOUNTING 1-8 sh**ACC 491. INDEPENDENT STUDY 1-4 sh****AFRICAN/AFRICAN-AMERICAN STUDIES**

Coordinator: Associate Professor Boyd

African/African-American Studies takes an interdisciplinary approach to study two cultures and connect the past with the present. The program, developed in 1994, allows the student to select from a current group of courses approved by an advisory group. Through connected study the student not only takes a fresh approach to learning but also develops an individualized study plan.

This program is highly recommended for those persons in education and programs leading to multi-cultural relations. The minor consists of a minimum of 20 credit hours including a capstone course.

A minor in African/African-American Studies requires the following:

Twenty semester hours selected from the following:

ENG 238	African-American Literature pre-1945	4 sh
ENG 239	African-American Literature since 1945	4 sh
ENG 338	The African Experience in Literature	4 sh
ENG 359	African-American Novels	4 sh
HST 313	Modern Africa	4 sh
HST 314	History of Southern Africa	4 sh
HST 363	African-American History, 1850-Present	4 sh
POL 367	African Politics	4 sh
SOC 341	Ethnic and Race Relations	4 sh
AAA 361-9	Seminars in African/African-American Studies	4 sh
AAA 491	Independent Study	4 sh
TOTAL		20 sh

87

**AA 361-369. SEMINARS IN AFRICAN/
AFRICAN-AMERICAN STUDIES** 4 sh

Interdisciplinary seminars focus on modern scholarship in African and African-American Studies. Topics vary according to course theme.

AAA 491. INDEPENDENT STUDY

1-4 sh

RT

Chair, Department of Visual Arts: Assistant Professor Simpkins

Associate Professor: M. Sanford

Assistant Professor: Hassell

Adjunct Instructor: J. Henricks

The Art Department provides students with many opportunities to develop their visual awareness, engage in creative activity and to understand and critique their visual heritage. The major and minor in art are designed to develop a strong background in the language of design, drawing and art history. Students select a concentration for further study and exploration. Courses in ceramics, drawing/painting, photography, and digital art are available at advanced levels and are supported by well-equipped studio facilities.

An active exhibition program in the campus galleries consistently exposes students to works by regional, national and international artists. Many of them also visit our campus to meet and work with art students. The many outstanding museums in the area and winter term travel courses expand the opportunities for students to come into contact with the world's great art and the contemporary scene.

The B.A. in art builds on Elon's strong liberal arts program to produce creative thinkers who are prepared for further professional and educational challenges.

A major in Art requires the following courses:

ART 112	Fundamentals of Design	4 sh
ART 201	Drawing I	4 sh
ART 220	Art and History	4 sh
ART 320	Issues in Twentieth Century Art	4 sh
ART 461	Senior Seminar	2 sh
Three courses in a studio sequence		12 sh
Four electives in Art, eight hours of which must be at the 300-400 level		16 sh
TOTAL		46 sh

A minor in Art requires the following courses:

ART 112	Fundamentals of Design	4 sh
ART 201	Drawing I	4 sh
ART 220	Art and History	4 sh
ART 320	Issues in Twentieth Century Art	4 sh
Eight semester hours which include the completion of a two-course sequence		8 sh
TOTAL		24 sh

It is recommended that Art 112 and Art 201 be taken before the elective courses in sequence.

ART 112. FUNDAMENTALS OF DESIGN 4 sh

This introduction to the fundamental principles and processes of two-dimensional and three-dimensional design uses a variety of media. Emphasis is placed on problem-solving, craftsmanship, creative exploration and effective use of the language of art. Material fee: \$50. Offered fall and spring.

ART 200. CERAMICS I 4 sh

This introduction to principles and processes of working with clay and glazes emphasizes basic construction techniques and kiln firing. Material fee: \$50. Offered fall and spring.

ART 201. DRAWING I 4 sh

Students learn the fundamentals of drawing and composition using various media. Material fee: \$50. Offered fall and spring.

ART 202. PAINTING I 4 sh

Painting I introduces the techniques of painting and composition in oils, with additional emphasis on color theory and creative exploration of the medium. Material fee: \$100. Offered fall.

ART 203. WATERCOLOR 4 sh

Course work studies various techniques of painting and composition with watercolor, emphasizing color theory and creative exploration of the medium. Material fee: \$40.

ART 204. PRINTMAKING 4 sh

Students become familiar with the basic processes of printmaking, with emphasis on the technical processes, design elements and the terms and concepts of the medium. Material fee: \$75.

ART 205. PHOTOGRAPHY I 4 sh

Photography I introduces students to the techniques, processes and language of photography. Emphasis is placed on the expressive qualities of the medium by making pictures that communicate individual experiences and ideas. Laboratory experience included. No prior experience necessary; students must provide a 35mm camera. Lab fee: \$75. Offered fall and spring.

ART 220. ART AND HISTORY, PREHISTORY TO PRESENT 4 sh

This is an introductory survey of the visual arts from prehistory through the present, emphasizing artistic styles, their origin and development, major works of art and their creators. No prerequisite. Offered fall

ART 261. COLOR IN ART 2 sh

Color is probably the visual artist's most powerful tool. To use this tremendous potential, all artists must explore its many aspects. In a studio setting, students will explore a variety of materials, color mixing, color perceptions and color interactions. The historical, psychological and cultural connections to color will also be addressed. No prerequisite. Material fee: \$40.

ART 263. GRAPHIC DESIGN 4 sh

An exploration of Computer Graphics software as a tool to create expressive images. The course will cover the basic elements of visual language and design. Students will conceive and produce graphics-based publications with integrated images and words. No prerequisite. Material fee: \$75.

ART 300. CERAMICS II 4 sh

Students continue from ART 200, with emphasis on wheel thrown forms, glaze mixing, kiln firing and studio management. Prerequisite: ART 200. Material fee: \$50.

ART 301. DRAWING II 4 sh

A continuation of ART 201, this course emphasizes composition, critical analysis and productive exploration through more extended studies in a variety of media. Prerequisite: ART 201. Material fee: \$50.

ART 302. PAINTING II 4 sh

A continuation of ART 202, this class emphasizes individual development, advanced critical analysis of visual images and productive exploration of the medium. Prerequisite: ART 202. Material fee: \$100.

ART 305. PHOTOGRAPHY II 4 sh

A continuation of ART 205, this course builds on the ideas and information in Photography I. More advanced techniques and a deeper understanding of the qualities

and history of photography provide greater control over how photographs look and what they state. Prerequisite: ART 205. Lab fee: \$75.

ART 313. IMPRESSIONISM 2 sh

This course will explore the political, social and creative origins of one of the world's most popular art movements, Impressionism. The works of the group's central figures will be closely examined. No prerequisite.

ART 320. ISSUES IN TWENTIETH-CENTURY ART 4 sh

The Twentieth Century is perhaps the most fascinating period in human history for the visual artist. Old forms remain, and continue to exert influence, but new forms abound and multiply at an astonishing rate. This course will attempt to organize the works and ideas of this century in a way that gives students a sense of the art of their time. No prerequisite. Offered spring

ART 312. STUDIES IN ART HISTORY 2-4 sh

In-depth study in this topically oriented class covers a particular period, style or theme in art history.

ART 340. HISTORY OF PHOTOGRAPHY 4 sh

An interdisciplinary exploration of the significant role photography plays in reflecting and defining modern culture. Discussions of images made by important photographers will prompt such issues as technology and creativity, politics of the camera, honesty in picture making, voyeurism and sexuality. No prerequisite.

ART 341. AFRICAN ART 2 sh

This course will examine the complexity of expression found in the aesthetic objects of Sub-Saharan Africa. No prerequisite.

ART 343. RENAISSANCE ART HISTORY 4 sh

The Renaissance bridges four centuries of genius in art and science. By examining the art of this time, students discover the dramatic changes in man's perception of self, society, religion and nature. Creative assignments provide students an opportunity to examine the Renaissance's impact upon their own lives. No prerequisite.

ART 363. DIGITAL ART II

4 sh

This builds on the skills and ideas introduced in ART 263 with the addition of Web design and 3-D programs. Students further investigate the expressive potential of the computer, through projects that integrate advanced techniques with alternative materials. Prerequisite: ART 263.

ART 400. CERAMICS III

4 sh

A continuation of ART 300, emphasis in this course is on increased individual exploration of a single form-making process, glaze calculation and kiln firing. Prerequisite: ART 300. Material fee: \$50.

ART 402. PAINTING III

4 sh

This continuation of ART 302 emphasizes increased individual exploration of the medium and the development of a focused body of work. Prerequisite: ART 302. Material fee: \$100. Offered fall.

ART 405. PHOTOGRAPHY III

4 sh

This course continues ART 305 with a semester-long project proposed and developed by each student, concluding in a portfolio. Course emphasis is on individual participation through class presentations on techniques and issues in contemporary photography. Prerequisite: ART 305. Lab fee: \$75.

ART 461. SENIOR SEMINAR

2 sh

This course requires the student to assemble a portfolio, produce a critical artistic statement and plan an exhibition of her/his art work. All activities are done in consultation with a departmental advisor. This course should be taken during the final spring semester. (Spring semester only.)

ART 463. DIGITAL ART III

4 sh

A semester-long project proposed and developed by each student concluding in a printed or digital portfolio. This course focuses on developing an individual vision and use of the medium by creating a unified body of work. Student presentation explore the traditional elements of creativity as well as topical issues generated by this contemporary medium. Prerequisite: ART 363.

ART 481. INTERNSHIP IN ART

1-4 sh

This course for art majors and minors may only be taken with the permission of the department head and supervising instructor.

ART 491. INDEPENDENT STUDIO

4 sh

Art majors and minors may pursue a program of advanced study and individual exploration in a selected medium. Proposals for independent studio should be prepared and submitted in the semester prior to enrollment. The instructor may require class attendance. Maximum 8 sh credit, by permission of art faculty only.

ASIAN/PACIFIC STUDIES

Coordinator: Professor Arcaro

The vast area of the Pacific Rim is of major importance in political, economic and cultural terms. This program aids students to shift from an Atlantic to a Pacific perspective, to focus on some particular Asian/Pacific cultures, and to take first steps not only in seeing Asia with Western eyes but also in seeing the West through Asian eyes.

Asian/ Pacific Studies takes an interdisciplinary approach to study the peoples and cultures of Asia and the Pacific Rim. The program allows students to select from a current group of courses approved by an advisory group.

The minor consists of a minimum of 20 credit hours. Furthermore, the Asian/Pacific Studies program may be expanded into an International Studies major with Asian/Pacific Studies as a regional concentration. See note below.

Foreign language study—e.g. Japanese or Chinese—is strongly recommended as is a study abroad experience in the region.

A minor in Asian/Pacific Studies requires twenty semester hours selected from the following list. Courses must be chosen from at least two disciplines.

General Asian/Pacific Studies courses

BUS 357	Emerging Markets in Asia	4 sh
BUS 358	Doing Business in Asia	4 sh
ENG 376	Asian Literature of Social Change	4 sh
ENS 310	Environmental Issues of Southeast Asia	4 sh
HST 318	China since 1644	4 sh
HST 319	History of Japan, 1600-1945	4 sh
HST 320	China, Japan and the Pacific Century: Era of War and Revolution	4 sh
POL 363	Politics of Asia	4 sh
PHL 352	Eastern Philosophy	4 sh
PHL 353	Zen and the Culture of Japan	4 sh
REL 359	India Past and Present	4 sh
REL 353	Buddhism	4 sh
REL 356	Hinduism	4 sh
SOC 329	Peoples & Cultures of Southeast Asia	4 sh
SOC 344	Socio-Cultural Change in India	4 sh
APS 361-369	Seminars in Asian/Pacific Studies	2-4 sh

Interdisciplinary seminars focus on particular themes and/or regions in the field of Asian/ Pacific Studies.

APS 481	Internship in Asian/Pacific Studies	1-4 sh
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To accommodate internships either abroad or in the United States with companies or other organizations that are interacting with Asia and the Pacific Rim.

Asian/Pacific Foreign Language Courses

While not required for the minor, up to 8 sh of the courses below may count toward the minor.

CHN 110	Elementary Chinese	4 sh
CHN 210	Intermediate Chinese	4 sh
CHN 310	Advanced Chinese	4 sh
JPN 110	Elementary Japanese	4 sh
JPN 210	Intermediate Japanese	4 sh
JPN 310	Advanced Japanese	4 sh

Study Abroad in the Region

While not required for the minor, up to 4 sh of such study abroad may count for the minor.

Approved course lists for study abroad in Asia and the Pacific Rim may be obtained from the program coordinator.

TOTAL	20 sh
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Note: If they choose, students can extend the minor into an International Studies Major, with a regional concentration in Asia and the Pacific Rim. In this way, the minor supports the International Studies Major by providing focus for a regional concentration and opportunity to acquire language skills. For details and other

BIOLOGY AND ALLIED HEALTH

Chair, Department of Biology and Allied Health: Associate Professor N. Harris

Associate Chair: Assistant Professor Ulrich

Professors: House, Rao

Assistant Professors: Carloye, Gallucci, Haenal, Kingston, MacFall, Vick

Adjunct Instructor: DeVries

Biology is the study of life in all its diverse forms. As a species, we have always been deeply fascinated by other living creatures. Early human's dependence on other animals and plants for food, medicine, and shelter fostered an appreciation for life's interconnectedness. Modern society has rediscovered these relationships in the face of such challenges as global warming, rain forest destruction, AIDS, rising cancer rates and industrial pollution.

Our approach to biology at Elon College stresses hands-on experiences in the classroom, laboratory and field. The course of study includes off-campus experiential opportunities and research seminars that encourage creative approaches to biological problems. The focus is on science as a process, not merely a collection of established facts.

The faculty strives to provide students with a high quality program that enables them to (1) develop critical thinking and problem solving skills to better understand and meet present and future biological challenges; (2) develop competency in information retrieval, use and analysis; (3) develop an understanding of the latest technologies utilized in biological investigation; (4) acquire broad-based knowledge of biological concepts from molecules to ecosystems; and (5) acquire an experiential learning opportunity through either research, internship or laboratory assistantship.

The Bachelor of Science in Medical Technology (MT) consists of three years of pre-professional training at Elon followed by application to the 12 month clinical program at our affiliated hospital. Admission to the affiliated program is competitive and based on overall GPA, evaluation by faculty, and personal interviews. If needed, a 4th year of study at Elon can lead to a bachelor of science in biology.

In all of Elon's biology offerings, students receive a strong foundation in biology that prepares them for graduate studies, medical and other allied health related professional schools, teaching and industry.

The Department of Biology and Allied Health offers programs leading to the Bachelor of Arts or Bachelor of Science degree with a major in Biology, the Bachelor of Science degree with a major in Medical Technology, and a minor concentration in Biology for students majoring in another discipline.

The department of Biology has divided its laboratory course offerings that serve as electives into three functional categories to assist students in the development of a broad based major with the necessary fundamental biological concepts while at the same time providing the student the flexibility to build a program that meets their individual interests and needs.

Molecular/Cellular Biology

BIO 322

BIO 345

BIO 348

BIO 351

BIO 352

Organismal Biology

BIO 312 BIO 341

BIO 316 BIO 342

BIO 318 BIO 343 BIO 443

BIO 321

BIO 325

Supraorganismal Biology

BIO 335

BIO 442

BIO 452

Both the Bachelor of Arts and the Bachelor of Science degrees in Biology require the following Core Courses:

BIO 111	Intro Cell Biology	3 sh
BIO 112	Intro Population Biology	3 sh
BIO 113	Cell Biology Lab	1 sh
BIO 114	Population Biology Lab	1 sh
BIO 221	General Zoology	4 sh
BIO 222	General Botany	4 sh
BIO 261	Introductory Seminar	2 sh
BIO 322	Molecular and Cellular Biology	4 sh

One course selected from the Organismal Biology category 4 sh

BIO 316	Developmental Biology
BIO 318	Comparative Vertebrate Structure & Function
BIO 321	Microbiology
BIO 325	Human Histology
BIO 342	Plant Physiology
BIO 343	Introductory Medical Anatomy and Physiology

One course selected from the Supraorganismal Biology category: 4 sh

BIO 335	Field Biology
BIO 442	Aquatic Biology
BIO 452	General Ecology

Eight semester hours of electives selected from the following: 8 sh

Organismal Biology category

Supraorganismal Biology category

Molecular/Cellular Biology category

This may include a maximum of two 2-semester hour special topics seminars.

BIO 462 Senior Seminar 2 sh

TOTAL 40 sh

A Bachelor of Arts degree in Biology requires the following courses:

Core Courses in Biology	40 sh
CHM 111 General Chemistry I	3 sh
CHM 112 General Chemistry II	3 sh
CHM 113 General Chemistry I Lab	1 sh
CHM 114 General Chemistry II Lab	1 sh

In addition, a required experiential component selected from

(a) internship

(b) research

(c) a specialized approved laboratory assistantship.

TOTAL 48 sh

A Bachelor of Science degree in Biology requires the following courses:

Core Courses in Biology	40 sh
CHM 111 General Chemistry I	3 sh
CHM 112 General Chemistry II	3 sh
CHM 113 General Chemistry I Lab	1 sh
CHM 114 General Chemistry II Lab	1 sh
CHM 211 Organic Chemistry I	3 sh
CHM 212 Organic Chemistry II	3 sh
CHM 213 Organic Chemistry I Lab	1 sh
CHM 214 Organic Chemistry II Lab	1 sh
PHY 111 General Physics I	4 sh
PHY 112 General Physics II	4 sh or
PHY 113 General Physics I w/Calculus	4 sh
PHY 114 General Physics II w.Calculus	4 sh
MTH 114 Elementary Statistics	4 sh

In addition, a required experiential component selected from

- (a) internship
- (b) research
- (c) a specialized approved laboratory assistantship.

TOTAL**68 sh**

Bachelor of Science Degree in Medical Technology requires 49 semester hours of course work at Elon College and completion of the clinical curriculum at Moses Cone Memorial Hospital.

BIO 111 Intro Cell Biology	3 sh
BIO 112 Intro Population Biology	3 sh
BIO 113 Cell Biology Lab	1 sh
BIO 114 Population Biology Lab	1 sh
BIO 321 Microbiology	4 sh
BIO 345 Genetics	4 sh
BIO 351 Biochemistry	3 sh
BIO 352 Biochemistry Lab	1 sh
CHM 111 General Chemistry I	3 sh
CHM 112 General Chemistry II	3 sh
CHM 113 General Chemistry I Lab	1 sh
CHM 114 General Chemistry II Lab	1 sh
CHM 211 Organic Chemistry I	3 sh
CHM 212 Organic Chemistry II	3 sh
CHM 213 Organic Chemistry I Lab	1 sh
CHM 214 Organic Chemistry II Lab	1 sh
PHY 111 General Physics I	4 sh
PHY 112 General Physics II	4 sh
MTH 114 Elementary Statistics	4 sh or
CIS 116 Microcomputer Applications	4 sh

A course in immunology	1-3 sh
Completion of the clinical curriculum at Moses H. Cone Memorial Hospital	
TOTAL	49-51 sh

A Minor in Biology requires the following courses:

BIO 111	Intro Cell Biology	3 sh
BIO 113	Cell Biology Lab	1 sh
Sixteen semester hours chosen from the following		16 sh
BIO 112	Intro Population Biology	
BIO 114	Population Biology Lab	
Biology courses at the 200-400 level		
TOTAL		20 sh

BIO 101. TOPICS IN GENERAL BIOLOGY 3 sh

This topical approach to the foundational concepts of biology examines theories and issues in biology as they relate to varying special topics selected by the instructor. For general studies laboratory science requirement the BIO 102 laboratory should be taken concurrently. No credit to students with prior credit for BIO 111. No credit toward biology major or minor. Offered fall and spring.

BIO 102. GENERAL BIOLOGY LABORATORY 1 sh

This two-hour laboratory provides experiences to complement selected foundational concepts from BIO 101. To satisfy the general studies laboratory science requirement, BIO 101 and 102 should be taken concurrently. No credit to students with prior credit for BIO 113. No credit toward biology major or minor. Offered fall and spring.

BIO 105. CURRENT ISSUES IN BIOLOGY 4 sh

Designed for non-science majors, this course focuses on reading, interpreting and evaluating facts behind biological issues and exploring the implications for science and human society. Students conduct library research, present oral reports, discuss and write papers on these issues. No credit toward biology major or minor. Satisfies General Studies non-laboratory science requirement. Offered winter.

BIO 111. INTRODUCTORY CELL BIOLOGY 3 sh

In this introduction to organization and function at the cellular level, topics of study include basic cell chemistry and structure, transport, energetics and reproduction. Required for biology majors/minors. Corequisite: BIO 113. Offered fall and spring.

BIO 112. INTRODUCTORY POPULATION BIOLOGY 3 sh

Topics of study in this introduction to organization and function at the population level include reproduction and transmission genetics, patterns and mechanics of evolutionary change and basic concepts of ecology. Required for biology majors/minors. Corequisite: BIO 114. Offered fall and spring.

BIO 113. CELL BIOLOGY LABORATORY 1 sh

Students have three hours of laboratory experience per week with topics complementing concurrent study in BIO 111. Required for biology majors/minors. Corequisite: BIO 111. Offered fall and spring.

BIO 114. POPULATION BIOLOGY LABORATORY 1 sh

Students have three hours of laboratory experience per week with topics complementing concurrent study in BIO 112. Required for biology majors/minors.

Corequisite: BIO 112. Offered fall and spring.

BIO 121. BIOLOGICAL DIVERSITY 4 sh

This course exposes the non-science major to the diversity of form and function through lectures and demonstrations, emphasizing the relationship of specific organisms and diversity in general to human society. No credit toward major/minor. Satisfies General Studies non-laboratory science requirement.

BIO 161. HUMAN ANATOMY 4 sh

This course explores human anatomy, concentrating on skeletal, muscular, nervous, endocrine, heart, blood, respiratory, digestive and urinary aspects. Three class hours, one laboratory per week. No credit toward BIO major/minor. Offered fall and spring.

BIO 162. HUMAN PHYSIOLOGY 4 sh

This study of human physiology emphasizes skeletal, muscular, nervous, endocrine, heart, blood, respiratory, digestive and urinary aspects. Three class hours, one laboratory per week. No credit toward BIO major/minor. Offered fall and spring.

BIO 181. BIOLOGY LABORATORY TECHNIQUES 2 sh

Skills taught in this training course for prospective laboratory assistants include laboratory procedures, materials preparation and grading procedures. Offered spring.

BIO 215. ORGANISMAL BIOLOGY AND FIELD TECHNIQUES 4 sh

This course examines the basic concepts of plant and animal form and function and the fundamentals of plant and animal systematics, with a focus on herbaceous and woody plants, soil and aquatic invertebrates. Students investigate the natural history of local plant and animal species and their role in community dynamics. Laboratory experiences emphasize keying and identification, field methodologies of specimen collection and preservation, sampling techniques, and population estimation procedures for terrestrial and aquatic ecosystems. Satisfies the General

Studies lab science requirement. No credit toward the major or minor. Prerequisites: ENS/BIO 110, BIO 112, 114. (BIO 215 is the same course as ENS 215.) Offered fall.

BIO 221. GENERAL ZOOLOGY 4 sh

Students survey the animal kingdom (emphasizing selected vertebrates and invertebrates), investigating basic concepts of morphology, anatomy, physiology and taxonomy as they affect the ecology of the animal. Three class hours, one laboratory per week. Prerequisites: BIO 111, 112, 113, 114. Offered fall and spring.

BIO 222. GENERAL BOTANY 4 sh

This survey of the plant kingdom (emphasizing vascular plants) includes general morphology, anatomy, physiology of metabolism and growth, economic importance and identification. Three class hours, one laboratory per week. Prerequisites: BIO 111, 112, 113, 114. Offered fall and spring.

BIO 261. INTRODUCTORY SEMINAR 2 sh

Students learn to use primary information sources and gain practice in manual and computer information retrieval, read and interpret research and review papers, write abstracts and present scientific information orally. Recommended for sophomore year. Offered fall.

BIO 271. SPECIAL TOPICS SEMINAR 2 sh

Study focuses on one biological topic per seminar in this non-laboratory discussion course for biology majors. Topics are determined by student and faculty interest. Must have instructor's consent.

BIO 316. DEVELOPMENTAL BIOLOGY 4 sh

This course examines the changes that occur at the cellular and subcellular level as a single-cell zygote develops into a multicellular organism. Topics include fertilization, blastula formation, gastrulation, and organogenesis. Three class hours, one laboratory per week. Prerequisites: BIO 221; CHM 111, 112, 113, 114. Offered spring of even numbered years.

**BIO 318. COMPARATIVE VERTEBRATE
STRUCTURE AND FUNCTION**

4 sh

An evolutionary approach to the form and function of vertebrates. Students will investigate a diversity of traits and follow the evolutionary changes of these traits from the earliest vertebrates to mammals. The primary focus is on the move from aquatic to terrestrial habitats, the evolution of flight, and the evolution of endothermy. Students will compare changes in form and function of the major organ systems through laboratory dissection of the jawless fish, shark, amphibian and mammal. Prerequisites: BIO 112, 114; BIO 221. Offered spring of odd numbered years.

BIO 321. MICROBIOLOGY

4 sh

In a general survey of microorganisms, study emphasizes bacteria, their cytophysiological characteristics and classification, viruses, microbial diseases and immunity and the role of microorganisms in human affairs. Three class hours, one laboratory per week. Prerequisites: BIO 111, 113, CHM 111, 112, 113, 114. Junior standing or consent of instructor. Offered spring of even-numbered years.

**BIO 322. MOLECULAR AND CELLULAR
BIOLOGY**

4 sh

This course is a study of the structure and function of prokaryotic and eukaryotic cells at the molecular level. It examines in depth specific biochemical pathways and processes essential to life. Topics include considerable coverage of the principles, techniques and applications of molecular genetics. Three class hours and one laboratory per week. Junior standing or consent of instructor. Prerequisites: BIO 111, 112, 113, and 114; CHM 111, 112, 113, 114. Offered fall.

BIO 325. HUMAN HISTOLOGY

4 sh

Students survey human body tissues (especially of the cardiovascular, alimentary, respiratory, urinary and reproductive systems), stressing tissue identification and the relationship of microanatomy to physiology of the human body. Three class hours, one laboratory per week. Prerequisites:

sites: BIO 111, 113. Offered fall of odd-numbered years.

BIO 335. FIELD BIOLOGY

4 sh

In this field-oriented course, restricted to selected natural taxa, environments or biological phenomena, in-depth field study may include identification, classification, life histories and relationships among organisms. Prerequisite: Consent of instructor. Offered winter and/or summer.

BIO 342. PLANT PHYSIOLOGY

4 sh

Topics in this study of the life processes of plants include photosynthesis, mineral nutrients, movement of materials, plant growth substances and senescence. Three class hours, one laboratory per week. Prerequisites: BIO 222; CHM 111, 112, 113, 114. Offered spring of odd-numbered years.

BIO 343. INTRODUCTORY MEDICAL**ANATOMY AND PHYSIOLOGY**

4 sh

An introduction to the basic topics of human medical structure and function. Lecture emphasizes regular processes and responses occurring in human organ systems. Laboratory is a combination of equipment instruction, independent physiology projects and dissection. Three class hours, one laboratory per week. Prerequisites: BIO 221; CHM 111, 112, 113, 114. Offered fall of even numbered years.

BIO 345. GENETICS

4 sh

Students are introduced to Mendelian and molecular principles of genetics and the applications of these principles to the modern world. Three class hours, one laboratory per week. Prerequisites: BIO 111, 112, 113, and 114; CHM 111, 112, 113, and 114. Offered fall of odd-numbered years.

BIO 348. BIOTECHNOLOGY

4 sh

Students explore how biological systems are utilized in scientific research. In collaboration with their peers, students will apply the techniques of molecular biology (restriction digestion, transformation, DNA hybridization, PCR, etc.) to investigate a research

question. Emphasis will be placed on protocol design, solution preparation and critical analysis of research data. Additionally, the social context of biotechnology will be investigated as students explore the risks and rewards in this expanding field. Two laboratory periods and one class hour per week. Prerequisites: BIO 345 or 322.

Offered spring of odd-numbered years.

BIO 351. BIOCHEMISTRY

3 sh

In this survey of biochemistry as it relates to the physiology of organisms, study includes biochemical methodology, buffers, proteins (structure, function, and synthesis), enzymes, bioenergetics, anabolism and catabolism of carbohydrates and lipids, and metabolic regulation. Three class hours, one laboratory per week. Prerequisites: CHM 111, 112, 113, 114, 211, 212, 213, and 214. (BIO 351 is the same as CHM 351.) Offered fall of even-numbered years.

BIO 352. BIOCHEMISTRY LABORATORY

1 sh

Experiments in this study of laboratory techniques and principles of biochemistry as it relates to the physiology of organisms include biochemical methodology, buffers, proteins (structure, function and synthesis), enzymes, bioenergetics, anabolism and catabolism of carbohydrates and lipids, and metabolic regulation. Corequisite: BIO 351. (BIO 352 is the same as CHM 352.)

Offered fall of even-numbered years.

BIO 371. SPECIAL TOPICS SEMINAR

2 - 4 sh

Each seminar – a non-laboratory discussion course for biology majors – focuses on one biological topic determined by student and faculty interest.

BIO 442. AQUATIC BIOLOGY:

THE STUDY OF INLAND WATERS

4 sh

Aquatic Biology considers the chemical, physical and biological properties of freshwater ecosystems including streams, rivers, ponds and lakes. Topics include the geomorphology of inland waters, thermal stratification, nutrient cycles, community metabolism, plankton community dynamics, seasonal succession and eutrophication

resulting from human activities. Weekly laboratory meetings provide hands-on experience with the field techniques of freshwater scientists. Prerequisites for Biology major: BIO 221, 222; CHM 111, 113, 112, 114. Prerequisites for Environmental Studies major: BIO 112, 114, 215; CHM 111, 113, 112, 114. Junior standing or consent of instructor. Offered spring of even-numbered years.

BIO 452. GENERAL ECOLOGY

4 sh

Students explore ecological principles at population, community, and ecosystem levels in this study of the interrelationships of organisms with their biotic and abiotic environments. Three lecture hours, one laboratory per week. Prerequisites for Biology major: BIO 221, 222; CHM 111, 113, 112, 114. Prerequisites for Environmental Studies major: BIO 112, 114, 215; CHM 111, 113, 112, 114. Junior standing or consent of instructor. Offered fall.

BIO 462. SENIOR SEMINAR

2 sh

This study requires a research or review paper and formal oral presentation of a focused biological topic to a peer and faculty audience. Recommended for senior year. Offered fall.

BIO 471. SPECIAL TOPICS SEMINAR

2 - 4 sh

Each seminar – a non-laboratory discussion course for biology majors – focuses on one biological topic determined by student and faculty interest. Must have instructor's consent.

BIO 481. INTERNSHIP IN BIOLOGY

1 - 4 sh

Advanced level work experience in a biological field is offered on an individual basis when suitable opportunities can be arranged. Prerequisite: permission of department.

BIO 499. RESEARCH

1 - 4 sh

Students from all levels conduct laboratory and/or field research under the direction of the Biology faculty. Maximum eight semester hours total credit. Prerequisite: Permission of the Biology faculty.

BUSINESS ADMINISTRATION**The Martha and Spencer Love School of Business**

Dean of Love School of Business: Professor Burbridge

Chair, Department of Business Administration: Associate Professor Paul

Professor: Weavil

Associate Professors: Baxter, Guffey

Assistant Professors: Cort, Joiner, Nienhaus, O'Mara, Peterson, Strempek

The Business Administration program at Elon College provides the student an education sought by both profit and not-for-profit organizations and companies in every sector of global society. In addition to core courses in accounting, finance, management, marketing and operations, the student concentrates in one of the following disciplines: finance, management, marketing, international management or management information systems.

With business study and the general studies program blended together, the student obtains a well-rounded education most sought after by recruiters from industry, government and other organizations.

Students with a degree in Business Administration are among the best prepared for most of the top 20 careers of the future as defined recently by *Business Week*. The business faculty's style of instruction is applied, based on theories presented in text books. That style is possible because the faculty has extensive industry experience in addition to post-graduate qualification in the field in which they teach. Students are encouraged to use the computer in analysis and presentation, case analyses and group projects which are meant to reflect real situations as much as possible.

Graduates in business administration are ready to begin professional careers in every facet of American organizations requiring business skills. The approximation of business problems in the classroom gives the student an understanding of possible situation types faced in a career. The sound preparation in liberal studies and business administration makes the Elon business major a good investment for professional success.

A major in Business Administration requires the following courses:

MTH 116	Applied Mathematics with Calculus	4 sh or
MTH 121	Calculus and Analytic Geometry I	4 sh
ECO 201	Principles of Economics	4 sh
ECO 202	Statistics for Economics and Business	4 sh
ECO 301	Business Economics	4 sh
ACC 201	Principles of Financial Accounting I	4 sh
ACC 202	Principles of Management Accounting	2 sh
CIS 116	Microcomputer Applications	4 sh
BUS 221	Business Law	2 sh
BUS 302	Business Communications	4 sh
BUS 311	Principles of Marketing	4 sh
BUS 323	Principles of Management	4 sh
BUS 360	Principles of Decision Science	4 sh
BUS 465	Business Policy	4 sh
FIN 343	Managerial Finance	4 sh
Twelve - sixteen semester hours of a concentration		12-16 sh
TOTAL		64-68 sh

Concentrations**Finance** 12 sh

FIN 413 Advanced Managerial Finance

FIN 421 Investment Principles

One course from the following:

FIN 416 Fundamentals of Insurance

FIN 471 Seminar: Special Topics (when an appropriate finance topic)

Marketing 12 sh

BUS 415 Buyer Behavior and Advertising

BUS 417 Marketing Channels

One course from the following:

BUS 411 Managing Market Innovation

BUS 414 Marketing Research

BUS 419 Sales Management

Management 12 sh

BUS 424 Responsible Leadership

Two courses from the following:

BUS 427 Organizational Improvement

BUS 428 Organizational Behavior

BUS 429 Entrepreneurship/Intrapreneurship

BUS 430 International Business Management

BUS 471 Seminar: Special Topics
(when an appropriate management topic)**International Management** 16 sh

BUS 430 International Business Management

Eight semester hours of one foreign language: Students who choose to continue with a foreign language previously studied must take the 200-300-level courses in that language. Students who choose a language not previously studied must take the 100-200-level courses in that language.)

One course from the following:

ECO 314 International Trade and Finance

BUS 471 Seminar: Special Topics (when an
appropriate international management topic)**Management Information Systems** 12 sh

CIS 216 Advanced Microcomputer Applications

CIS 330 Systems Analysis and Design

CIS 340 Systems Implementation

A minor in Business Administration requires the following courses:BUS 311 Principles of Marketing 4 sh **or**

BUS 304 Introduction to Marketing 4 sh

BUS 303 Introduction to Managing 4 sh **or**

BUS 323 Principles of Management 4 sh

ACC 201 Principles of Financial Accounting 4 sh

ACC 202	Principles of Management Accounting	2 sh
ECO 201	Principles of Economics	4 sh
TOTAL		18 sh

BUS 221. BUSINESS LAW 2 sh

This course introduces the law as it applies to businesses, including law and the courts, administrative agencies, contracts, personal property, commercial paper, agency, employment, partnerships and corporations. Offered fall and spring.

BUS 302. BUSINESS COMMUNICATIONS 4 sh

In addition to studying the theory and principles of good oral and written communications, students practice making oral presentations and writing business reports, letters and memoranda. Prerequisite: ENG 110 and sophomore standing. Offered fall and spring.

BUS 303. INTRODUCTION TO MANAGING 4 sh

Primarily for non-majors, this introductory course examines universal business processes — such as goal setting, planning, decision making, motivation, human resource management, control — which are applied by both not-for-profit and government organizations. No credit for both BUS 303 and 323. Offered fall and spring.

BUS 304. INTRO TO MARKETING 4 sh

Primarily for non-majors this introductory course examines marketing principles which are applied by all organizations. No credit for both BUS 304 and BUS 311. Offered fall and spring.

BUS 311. PRINCIPLES OF MARKETING 4 sh

This study of the marketing and distribution of goods and services includes buyer behavior, the marketing functions, commodity and industrial markets, merchandising considerations, price policies and governmental regulation of competition. Prerequisite: ECO 201. Offered fall and spring.

BUS 323. PRINCIPLES OF MANAGEMENT 4 sh

Principles of Management introduces the classical, scientific and behavioral approaches

to management, with particular emphasis on organization and qualitative decision theory. No credit for both BUS 303 and 323. Sophomore standing required. Offered fall and spring.

BUS 351. FUNDAMENTALS OF REAL ESTATE 4 sh

Students survey practices, issues and analyses from several perspectives — economics, finance, marketing and law — as they relate to the use of land and buildings. Prerequisites: ACC 201 and ECO 201 or permission of instructor.

BUS 360. PRINCIPLES OF DECISION SCIENCE

4 sh

This course focuses on the application of quantitative methods to business decision making, especially production and operations decisions. Prerequisites: ECO 202, CIS 116. Offered fall and spring.

BUS 365. BUSINESS ADMINISTRATION APPLICATIONS

4 sh

Topics vary yearly in the study of applications of business administration principles and theories in various business situations. Primarily offered in winter term.

BUS 366. FIELD EXPERIENCE IN BUSINESS

4 sh

This travel course revolves around visits to diverse businesses, domestically or abroad, and analyses of the businesses visited. Prerequisite: permission of instructor. Offered winter.

BUS 411. MANAGING MARKET INNOVATION

4 sh

Innovation is a major facet of managing an organization's market. Market offerings—the products and services which the organization brings to its market—are obvious vehicles for innovation. Today's concepts of “product velocity” demand that marketers understand and learn to manage the process of product and market innova-

tions. Technology drives many innovations, often leading to product revolutions which seems to be almost self-propelled. Marketing professionals must manage such opportunities, as well as the less dramatic but ever-present process of incremental innovations. Market innovations may be expressed in products and features, in processes, in services and in market development strategies. At the heart of the innovation process lie concepts such as product life cycles, creative processes and market positioning. Prerequisite: BUS 311.

BUS 414. MARKETING RESEARCH 4 sh

Students apply various research methods used in business to gather and analyze marketing data. Possible effects and implications of the analyses are discussed in terms of the marketing and decision-making processes of businesses. Prerequisite: BUS 311.

BUS 415. BUYER BEHAVIOR AND ADVERTISING 4 sh

The goal of advertising is to inform and persuade potential buyers. Understanding even the most basic knowledge which researchers have developed about buyer behavior gives the student of advertising an enormous advantage in this critical marketing activity. This course will fuse traditional research-oriented "consumer behavior" material with the practitioner-oriented study of the advertising process. The buyers studied will be both consumers and organizational buyers, and advertising will be presented in these two different contexts. Prerequisite: BUS 311.

BUS 417. MARKETING CHANNELS 4 sh

Of the four major areas of marketing strategy (product, pricing, advertising and promotion, and distribution strategies) those involving the distribution of goods and services through multiple channels require the greatest understanding of business-to-business marketing. The study of channel strategies gives the student an opportunity to combine knowledge of many marketing principles with that of other business

disciplines (accounting, finance, management) in structuring the distribution networks to move products from producer to ultimate customer. Business-to business relationship, problems, and interfaces are explored, with emphasis on channel management, performance and strategy. Prerequisite: BUS 311.

BUS 418. COMMERCIAL LAW 4 sh

Commercial Law, a technical study of the American legal system, includes examination of Uniform Commercial Code provisions governing contracts, sales and commercial paper, creditors rights and the law of wills and trust. Prerequisite: BUS 221.

BUS 419. SALES MANAGEMENT 4 sh

The sales management course is an analysis of professional selling practices with emphasis on the selling process and sales management, including the development of territories, determining potentials and forecasts, and setting sales quotas. Prerequisite: BUS 311.

BUS 420. MARKETING STRATEGY 4 sh

This advanced course gives the student an opportunity to combine knowledge of marketing principles with that of other disciplines (accounting, economics, finance, and statistics) in solving marketing-related problems. Prerequisite: BUS 311.

BUS 422. BUSINESS AND SOCIETY 4 sh

Business and society explores the relationship of an organization to its social and legal environment; the interaction of firms, customers and agencies of the federal, state and local governments; the environmental effects on individuals and the economy; and the firm as a citizen. Prerequisite: BUS 303 or 323.

BUS 424. RESPONSIBLE LEADERSHIP 4 sh

This required course for the management concentration addresses the characteristics, behaviors and responsibilities required of contemporary organizational leaders. While focusing on the traditional topics (individual differences and traits of leaders, behaviors of

leaders, role of power, types and styles of leadership, theories of motivation) the student will also be introduced to some non-traditional approaches (non-traditional metaphors, leadership as an art, individual differences of followers and followership) to understanding leaders and leadership. The responsibilities of leadership will be specifically addressed in relationship to the concepts of organizational success and effectiveness, social responsibility and ethical decision-making. Prerequisite: BUS 323.

BUS 425. PERSONNEL ADMINISTRATION 4 sh

In this study of basic personnel practices, objectives, functions and organization of personnel programs, topics include job evaluation, selection, placement, testing, promotion, compensation, training, safety, health and employee relationships. Prerequisite: BUS 323.

BUS 426. OPERATIONS MANAGEMENT 4 sh

This course covers the principles of management as applied to production systems and emphasizes production capacity planning, job design, standards and work measurements, scheduling, quality control and inventory management. Prerequisite: BUS 360.

BUS 427. ORGANIZATIONAL IMPROVEMENT 4 sh

This course will introduce the students to material which will cover basic productivity improvement techniques, application of those techniques in his/her work place, the ability to teach co-workers these techniques, leading work teams in problem-solving activities, and managing an organizational productivity improvement program. Prerequisite: BUS 323.

BUS 428. ORGANIZATION BEHAVIOR 4 sh

This course addresses the role of the individual and groups within organizations and the organization as an entity. The focus is on theories, concepts, and applications regarding people oriented management skills. Personality, perception, group dynamics, appraisal, decision making,

cooperation and conflict, organization structure, organization politics, and managing change are topics included in the course. Prerequisite: BUS 323.

BUS 429. ENTREPRENEURSHIP/ INTRAPRENEURSHIP 4 sh

This course addresses how to go into business and several of the unique problems and circumstances encountered in establishing and operating a small business. Emphasis is also given to the role of entrepreneurship in large firms through the study of "intrapreneurship." Special emphasis is given on why small businesses fail and what entrepreneurs can do to minimize the influence of these forces. Family owned business management is included as one type of small business covered. Prerequisite: BUS 323.

BUS 430. INTERNATIONAL BUSINESS MANAGEMENT 4 sh

This course covers business management from the perspective of the current global business environment. Students examine the overall nature of international business, the foreign environments that international business face and the unique situations associated with doing business across international borders. Prerequisite: BUS 323 or permission of instructor.

BUS 465. BUSINESS POLICY 4 sh

This capstone course integrates the students experiences and previous study through case studies and simulated business decision exercises. Prerequisites: BUS 302, 311, 323, 343, 360 and senior status. Offered fall and spring.

BUS 471. SEMINAR: SPECIAL TOPICS 4 sh

This advanced study consists of readings and discussion of special topics and involves participation by students, faculty and other resource persons.

BUS 481. INTERNSHIP IN BUSINESS ADMINISTRATION 1-8 sh

BUS 491. INDEPENDENT STUDY 1-4 sh

CHEMISTRY

Chair, Department of Chemistry:

Professors: Danieleley, E. Grimley

Associate Professor: Gooch, D. Wright

Assistant Professors: J. Grimley, K. Sienert

The Department of Chemistry offers courses of study leading to either a Bachelor of Arts degree (requiring 48 semester hours credit), the Bachelor of Science degree (62 semester hours credit) or a minor in Chemistry (24 semester hours credit).

Students who major in Chemistry are qualified for many pursuits. They may choose to: work in chemical industry; continue advanced studies in chemistry; take professional training in medicine, dentistry or other health-related fields; prepare to teach at the secondary level; or pursue opportunities in related fields (environmental science, forensics, business and industry).

One of the components of Elon's chemistry program is the opportunity for students to engage with faculty in undergraduate research during the junior and senior years. The results of the research projects are presented at local, regional and national scientific meetings.

Another key feature of the program is the introduction and use of instrumentation in the first-year general chemistry sequence and its continued emphasis throughout the chemistry curriculum. Student participation in assisting in laboratory instruction is strongly advised.

A Bachelor of Arts degree in Chemistry requires the following courses:

One of the following two options:

CHM 111	General Chemistry I	3 sh
CHM 113	General Chemistry I Lab	1 sh
CHM 112	General Chemistry II	3 sh
CHM 114	General Chemistry II Lab	1 sh
CHM 115	Advanced General Chemistry	3 sh or
CHM 114	General Chemistry II Lab	1 sh
CHM 211	Organic Chemistry I	3 sh
CHM 212	Organic Chemistry II	3 sh
CHM 213	Organic Chemistry I Lab	1 sh
CHM 214	Organic Chemistry II Lab	1 sh
CHM 125	The Chemical Literature	1 sh
CHM 205	Inorganic Chemistry I	4 sh
CHM 311	Quantitative Analysis	4 sh
CHM 332	Physical Chemistry I	4 sh
CHM 461	Seminar	1 sh
MTH 121	Calculus & Analytic Geometry I	4 sh
PHY 111	General Physics I	4 sh
PHY 112	General Physics II	4 sh

(Physics 113 and 114 may be substituted for Physics 111 and 112.)

Six additional semester hours selected from other courses

of which 4 sh must be from 300-400 level courses 6 sh

TOTAL

44-48 sh

A Bachelor of Science degree in Chemistry requires the following courses:

One of the following two options:

CHM 111	General Chemistry I	3 sh
CHM 113	General Chemistry I Lab	1 sh
CHM 112	General Chemistry II	3 sh
CHM 114	General Chemistry II Lab	1 sh or
CHM 115	Advanced General Chemistry	3 sh
CHM 114	General Chemistry II Lab	1 sh
CHM 211	Organic Chemistry I	3 sh
CHM 212	Organic Chemistry II	3 sh
CHM 213	Organic Chemistry I Lab	1 sh
CHM 214	Organic Chemistry II Lab	1 sh
CHM 125	The Chemical Literature	1 sh
CHM 205	Inorganic Chemistry I	4 sh
CHM 311	Quantitative Analysis	4 sh
CHM 332	Physical Chemistry I	4 sh
CHM 334	Physical Chemistry II	4 sh
CHM 421	Instrumental Analysis	4 sh
CHM 431	Advanced Inorganic Chemistry	4 sh
CHM 461	Seminar	1 sh

Four additional semester hours selected from:

CHM 499 Chemistry Research (1-4 sh)

CHM 232 Chemical Separations (2 sh)

CHM 300-400 level Chemistry electives (2-4 sh)

MTH 121	Calculus & Analytic Geometry I	4 sh
MTH 221	Calculus & Analytic Geometry II	4 sh
PHY 113	General Physics I with Calculus	4 sh
PHY 114	General Physics II with Calculus	4 sh

TOTAL **58-62 sh**
A minor in Chemistry requires the following courses:

CHM 111	General Chemistry I	3 sh
CHM 113	General Chemistry I Lab	1 sh
CHM 112	General Chemistry II	3 sh
CHM 114	General Chemistry II Lab	1 sh
	OR (in lieu of CHM 111-113)	
CHM 115	Advanced General Chemistry	3 sh
CHM 114	General Chemistry II Lab	1 sh
CHM 211	Organic Chemistry I	3 sh
CHM 212	Organic Chemistry II	3 sh
CHM 213	Organic Chemistry I Lab	1 sh

CHM 214 Organic Chemistry II Lab 1 sh
 Eight to twelve additional 8-12 sh
 hours to fulfill the requirement of at least 24 sh
 for the minor selected from:

- CHM 205 Inorganic Chemistry I (4 sh)
 CHM 232 Principles of Chemical Separations (2 sh)
 CHM 305 Environmental Chemistry (4 sh)
 CHM 311 Quantitative Analysis (4 sh)
 CHM 351 Biochemistry (3 sh) and
 CHM 352 Biochemistry Lab (1 sh)
 CHM 471-79 Special Topics in Chemistry (2-4)

TOTAL**24 sh**

CHM 101. BASIC CONCEPTS IN CHEMISTRY

3 sh

The course is designed to meet the math/science general studies requirement for non-science majors. The material covered includes atomic structure, chemical changes, descriptive chemistry of selected elements, introduction to organic chemistry, and how chemistry applies to consumer products and the environment. No credit given to students with prior credit for CHM 111. No credit for major/minor. Corequisite: CHM 102. Offered fall, winter, spring.

principles continues with chemical kinetics, liquid/solid states, chemical equilibrium (gas phase and acid/base), nuclear chemistry and electrochemistry. Prerequisite: CHM 111. Corequisite: CHM 114. Offered spring.

CHM 113. GENERAL CHEMISTRY I LABORATORY

1 sh

The experiments offered familiarize students with basic laboratory techniques and complement topics discussed in CHM 111. Corequisite: CHM 111. Offered fall and spring.

CHM 102. BASIC CONCEPTS IN CHEMISTRY LABORATORY

1 sh

Laboratory exercises are based upon selected foundational concepts covered in CHM 101. No credit for students with prior credit for CHM 113. No credit for major/minor. Corequisite: CHM 101. Offered fall, winter, spring.

CHM 114. GENERAL CHEMISTRY II LABORATORY

1 sh

This course involves laboratory applications of concepts and principles discussed in CHM 112. Prerequisites: CHM 111, 113. Corequisite: CHM 112 or CHM 115. Offered spring and fall (for CHM 115 only).

CHM 111. GENERAL CHEMISTRY I

3 sh

This course introduces fundamental principles of chemistry with special emphasis on developing skills in quantitative reasoning. Topics include stoichiometry, nomenclature, gases, atomic structure and periodicity, and thermochemistry. Prerequisite: High school chemistry. Corequisites: MTH 111 or higher and CHM 113. Offered fall and spring.

CHM 115. ADVANCED GENERAL CHEMISTRY

3 sh

This course explores fundamental principles of chemistry with an emphasis on understanding chemical concepts and quantitative reasoning. It consists of a brief review of stoichiometry, nomenclature, gases, thermochemistry, atomic structure and periodicity and more extensive coverage of chemical kinetics, electrochemistry, equilibrium systems, liquid/solid states and nuclear chemistry. This course is available for students who scored 4 or 5 on the AP

CHM 112. GENERAL CHEMISTRY II

3 sh

The study of fundamental chemical

chemistry exam, and for students with exemplary scores on the Toledo exam.
Prerequisite: High school chemistry.
Corequisite: CHM 114. Offered fall.

CHM 125. THE CHEMICAL LITERATURE 1 sh

This course is a writing-intensive course centered around an in-depth study of the different ways in which new discoveries in chemistry are communicated to members of the profession. Topics include primary and secondary sources; journals, monographs, patents, communications and reviews as well as foremost references such as *Chemical Abstracts*, *The Ring Index*, and *Science Citation Index*. Both classical and online search methods will be integrated into the required writing assignments. Prerequisite: CHM 111. Offered spring.

CHM 205. INORGANIC CHEMISTRY I 4 sh

This course will be an introduction to the field of inorganic chemistry with emphasis on classical coordination chemistry, solid state chemistry, the periodic relationships of the elements, the origin of the elements, and the chemistry of hydrogen and oxygen. It will also serve as an introduction to the use of physical methods of structure determination of inorganic compounds by magnetic and spectral techniques including magnetic susceptibility, UV/VIS and IR spectroscopies and NMR spectrometry. Prerequisite: CHM 112/114 or CHM 115/114. Offered spring.

CHM 211. ORGANIC CHEMISTRY I 3 sh

Organic Chemistry introduces students to the chemistry of carbon compounds, including nomenclature, the influence of structure on physical/chemical properties, reaction mechanisms, stereochemistry, conformational analysis, synthesis and characteristic reactions of different organic compounds. Prerequisites: CHM 112/114, 115/114. Corequisite: CHM 213. Offered fall.

CHM 212. ORGANIC CHEMISTRY II 3 sh

Continuing the study of organic chemistry, this course emphasizes compounds containing oxygen or nitrogen and culminates with

a survey of lipids, carbohydrates and proteins. Prerequisites: CHM 211, 213. Corequisite: CHM 214. Offered spring.

CHM 213. ORGANIC CHEMISTRY I LABORATORY 1 sh

Laboratory work includes determination of physical properties, separation of mixtures, some structure identification and synthesis of selected organic compounds. Prerequisites: CHM 112/114, 115/114. Corequisite: CHM 211. Offered fall.

CHM 214. ORGANIC CHEMISTRY II LABORATORY 1 sh

Procedures include microscale synthetic methods, molecular modeling via IBM-PC and qualitative organic analysis. Prerequisites: CHM 211, 213. Corequisite: CHM 212. Offered spring.

CHM 232. PRINCIPLES OF CHEMICAL SEPARATIONS 2sh

This course is designed to examine and experimentally explore the theory and practice of chemical and physical techniques used in the separation of compounds with special emphasis on gas, liquid, and ion chromatography. Experience with and the thorough understanding of the techniques examined are applied in upper level chemistry and biology courses and courses in other disciplines. Chromatography is a major component of the course. Prerequisite: CHM 211/213. Offered spring.

CHM 305. ENVIRONMENTAL CHEMISTRY 4 sh

Environmental Chemistry provides a survey of chemical topics applying to selected pollutants in the air, water and soil. Such topics include production and diffusion, photochemical processes, techniques for analysis, acid-base and redox chemistry, environmental and biological effects. Laboratory work includes acid/base and buffer chemistry, analysis of heavy metal pollutants, sampling techniques and resistance of selected materials to certain pollutants. Satisfies the laboratory science requirement for General Studies. No credit toward B.S. degree. Prerequisites: CHM 211, 213. Offered spring of alternate years.

CHM 311. QUANTITATIVE ANALYSIS 4 sh

This course introduces chemical methods of quantitative analysis, including classical volumetric and selected instrumental methods, a discussion of error and uncertainty in measurements and elementary statistics. Discussion also covers the underlying physical and chemical theories and laws, with emphasis on chemical equilibrium. Prerequisites: CHM 111, 112. Offered fall.

CHM 332. PHYSICAL CHEMISTRY I 4 sh

The mathematical development of the physical principles in chemistry is explored. Topics include development and application of the laws of thermodynamics, equations of states, kinetic molecular theory, elementary electrochemistry and equilibria. Laboratory experiments are designed to complement lectures and include studies of phase relationships, calorimetry, and gas laws. (Three hours lecture and three hours lab per week). Prerequisites: CHM 111-114; MTH 121; PHY 112 or 114. Offered fall.

CHM 334. PHYSICAL CHEMISTRY II 4 sh

The principles of quantum mechanics are developed and illustrated by use of simple systems. Spectroscopic techniques are investigated as tools for probing structure and properties of molecules. Other topics include kinetics and group theory. Laboratory experiments are designed to complement lectures and include multiple techniques to investigate reaction kinetics, laser spectroscopy, (UV-VIS spectroscopy, and computational techniques. (Three hours lecture and three hours lab per week). Prerequisites: CHM 332, MTH 221, PHY 114. Offered spring.

CHM 351. BIOCHEMISTRY 3 sh

This is a survey of biochemistry as it relates to the physiology of organisms. Topics include biochemical methodology, buffers, proteins (structure, function and synthesis), enzymes, bioenergetics, anabolism and catabolism of carbohydrates and lipids, and metabolic regulation. Prerequisites: CHM 211, 212, 213, 214. (CHM 351 is the same as BIO 351.) Offered fall of alternate years.

CHM 352. BIOCHEMISTRY LABORATORY 1 sh

This laboratory investigates the rates of enzyme-catalyzed reactions, including the effect of enzyme inhibitors, the isolation/purification/analysis of proteins, lipids and carbohydrates and some analytical techniques used in clinical chemistry laboratories. Techniques employed include affinity chromatography, electrophoresis, gas chromatography, UV-visible spectrometry and polarimetry. Prerequisites: CHM 211, 212, 213, 214. Corequisite: CHM 351. (CHM 352 is the same as BIO 352.) Offered fall of alternate years.

CHM 421. INSTRUMENTAL ANALYSIS 4 sh

Instrumental Analysis offers theory and practice of instrumental methods, with emphasis placed on spectroscopic (UV/Vis, IR, NMR, AA), mass spectrometric and radiochemical methods of analysis. Prerequisites: CHM 334. Offered spring.

CHM 431. INORGANIC CHEMISTRY II 4 sh

This course will begin with an accelerated review of the history of inorganic chemistry, atomic structure, and simple bond theory. It will then provide an in-depth introduction into symmetry and group theory with applications to the description of chemical bonding in molecular orbital theory. Acid-Base and Donor-Acceptor Chemistry and the descriptive chemistry of the main group elements will be followed by an in-depth survey of organometallic chemistry. The continued application of physical methods of structure determination of inorganic compounds by magnetic and spectral techniques including magnetic susceptibility, UV/Vis and IR spectroscopies and NMR spectrometry will be presented throughout the course. Prerequisites: CHM 334. Offered fall.

CHM 461. SEMINAR 1 sh

Students make presentations after they do individual library or laboratory research. Student seminars are supplemented with seminars by practicing scientists. All chemistry-oriented students are encouraged to attend. Credit for senior majors only or

by permission of the instructor. Course is two semesters in length. Students must take both semesters. Offered fall and spring.

**CHM 471-479. SPECIAL TOPICS
IN CHEMISTRY** 2-4 sh

Advanced topics offered to meet the needs and interests of students include methods in nuclear chemistry, nuclear magnetic resonance, advanced organic or polymer chemistry. Prerequisites: CHM 212/214.

CHM 481. INTERNSHIP 1-4 sh

Students gain advanced level work experience in a chemical field. Internships are offered on an individual basis when suitable opportunities can be arranged. Prerequisite: permission of department.

CHM 499. RESEARCH 1-3 sh

In collaboration with a chemistry faculty member, students undertake experimental or theoretical investigations. Prerequisite: CHM 125. Offered fall, winter, spring.

COMMUNICATIONS

See Journalism and Communications

COMPUTER SCIENCES

Chair, Department of Computing Sciences: Professor W. Hightower

Associate Professor: Plumblee

Assistant Professors: Berry, V. Hightower

Adjunct Instructors: Hudson, Metts, Patterson, Whiffen

The Computing Sciences Department of Elon College offers a major and minor in Computer Science and a minor in Computer Information Systems. A concentration area in Management Information Systems is also an option under the Business Administration major (See Business Administration for more information on this concentration.).

The study of computer science emphasizes problem-solving techniques which translate well into the work force in this and other disciplines. Since the computer field is constantly changing, students must learn to communicate effectively and be able to adapt to new concepts and changing technology.

Computing sciences students at Elon have excellent access to both faculty and equipment. Opportunities for various work and independent learning experiences which complement classroom training are also available. Other opportunities for involvement include the student chapter of the Association for Computing Machinery (ACM), participation in regional and local programming contests and independent study. Graduates pursue employment in many areas of industry and business as well as graduate study.

A major in Computer Science requires the following courses:

CSC 130	Computational Programming	4 sh
CSC 230	Algorithm Development	4 sh
CSC 331	Algorithm Analysis	4 sh
CSC 351	Theory of Computation	4 sh
CSC 342	Computer Organization	4 sh
CSC 435	Programming Languages/Paradigms	4 sh
CSC 441	Computer Architecture and Operating Systems	4 sh
CSC 451	Compiler Design and Implementation	4 sh

MTH 121	Calculus and Analytic Geometry I	4 sh
MTH 221	Calculus and Analytic Geometry II	4 sh
Two courses from the following:		8 sh
A probability and/or statistics course		
MTH 311	Linear Algebra	
MTH 321	Calculus and Analytic Geometry III	
MTH/CSC 415	Numerical Analysis	
MTH 421	Differential Equations	

TOTAL	48 sh
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A minor in Computer Science requires the following courses:

CSC 130	Computational Programming	4 sh
CSC 230	Algorithm Development	4 sh
Eight semester hours of 300-400 level Computer Science (CSC) courses		8 sh
One additional course from CSC or CIS at the 200 level or above		4 sh

TOTAL	20 sh
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A minor in Computer Information Systems requires the following courses:

CIS 216	Advanced Microcomputer Applications	4 sh
CIS 330	Systems Analysis and Design	4 sh
CIS 340	Systems Implementation	4 sh
Eight semester hours of CIS or CSC at any level		8 sh

TOTAL	20 sh
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COMPUTER INFORMATION SYSTEMS

CIS 116. MICROCOMPUTER APPLICATIONS

4 sh

This course provides the fundamental background necessary to be able to adapt to new and changing computer technology as well as an understanding of the scope of that technology. The student gains basic proficiency and experience with selected widely used computer-based productivity tools (e.g. word processors, spreadsheets, database management systems, e-mail) and operating environments (e.g. DOS, Windows). The student begins the practice of making appropriate use of computer technology by working in a project setting and will be exposed to presentation management and multimedia hypertext tools and the Internet. Offered fall and spring.

CIS 216. ADVANCED MICRO-COMPUTER APPLICATIONS

4 sh

This course addresses advanced features of electronic spreadsheet and database management software and emphasizes writing spreadsheet macros and database command files to solve problems. Students design and present group and individual projects incorporating these tools. Prerequisite: CIS 116 or permission of the instructor. Offered fall and spring.

CIS 220. COMPUTERS AND TEACHING

3 sh

Students planning teaching careers explore current trends of computing at the elementary, middle, and secondary levels. Topics cover microcomputer hardware, operational techniques, and techniques for selecting, evaluating, and implementing computer programs for educational use. Hands-on experience and projects expose

students to computer assisted instruction, computer managed instruction, application software and programming languages appropriate for various grade levels and subject areas. Prerequisite: EDU 211.

Offered fall, winter, and spring.

CIS 330. SYSTEMS ANALYSIS AND DESIGN 4 sh

This in-depth study of standard techniques for analyzing and designing information systems emphasizes effective written and oral communication as students analyze a system in a local company, actively participating in each phase and making on-site visits. During the design phase, students maintain contacts with real users and develop a product for implementation. Prerequisite: CIS 216. Offered fall.

CIS 340. SYSTEMS IMPLEMENTATION 4 sh

As students continue the work begun in CIS 330, they use decision support software tools such as VP Expert, GURU or Paradox to design a front-end; they run simulations on-line which model the typical working environment; and they build an interface to test, debug and implement the system. Prerequisite: CIS 330. Offered spring.

CIS 371. SPECIAL TOPICS 1-4 sh

Topics such as decision support and expert systems, data communications and networks, and COBOL programming are offered when demand is sufficient.

CIS 481. INTERNSHIP IN INFORMATION SYSTEMS 1-4 sh

Advanced work experiences in computer information systems are offered on an individual basis when suitable opportunities can be arranged. Prerequisites: CIS 340 and permission of instructor.

CIS 491. INDEPENDENT STUDY 1-4 sh

COMPUTER SCIENCE

CSC 130. COMPUTATIONAL PROGRAMMING 4 sh

This introduction to programming and problem solving emphasizes applications from quantitative disciplines and incorpo-

rates weekly group lab experiences.

Prerequisite: MTH 111 or its exemption.

Offered fall and spring.

CSC 171. SPECIAL TOPICS 1-4 sh

Students study specialized pieces of software and programming languages. Prerequisite: CSC 130.

CSC 230. ALGORITHM DEVELOPMENT 4 sh

This course continues the study of the development of algorithms and provides an introduction to the analysis of time and space complexity. Topics include program correctness, recursion, elementary data structures, modularization and program structure. Approved for advanced level designation. Prerequisite: CSC 130. Offered fall and spring.

CSC 331. ALGORITHM ANALYSIS 4 sh

Students analyze structures and appropriate algorithms for sorting, merging and searching in the contexts

of mass storage devices, internal main memory and artificial intelligence applications. Topics include graph algorithms, dynamic storage allocation and garbage collection. Prerequisite: CSC 230. Offered spring.

CSC 342. COMPUTER ORGANIZATION 4 sh

Topics cover architectural levels, systems organization, digital logic, machine level, instruction formats, representation of data and computer arithmetic, assembly, linking and loading and architectural alternatives. Prerequisite: CSC 230. Offered fall.

CSC 351. THEORY OF COMPUTATION 4 sh

In this introduction to theoretical computer science and analysis of discrete mathematical structures which find application in computer science, topics may include predicate calculus, groups, coding theory, graphs, trees, formal languages, grammars, finite state automata, Turing machines, complexity theory. CSC 351 is the same as MTH 351. Prerequisites: CSC 130, MTH 121, 231. Corequisite: CSC 230. Offered fall.

CSC 371. SPECIAL TOPICS

1-4 sh

Topics such as computer graphics, artificial intelligence, design of data base management systems, robotics, simulation and high performance computing are offered when demand is sufficient.

CSC 415. NUMERICAL ANALYSIS

4 sh

(Same course as described in MTH 415.)

**CSC 435. PROGRAMMING LANGUAGES/
PARADIGMS**

4 sh

This course provides an introduction to language definition structure, data types and structures, control structures and data flow, run-time characteristics and lexical analysis and parsing. Programming assignments involve the use of several languages.

Prerequisite: CSC 331. Corequisite: CSC 351. Offered fall.

**CSC 441. COMPUTER ARCHITECTURE AND
OPERATING SYSTEMS**

4 sh

Students study the fundamental concepts of

operating systems and their relationship to computer architecture, including such topics as concurrent programming, interrupt processing, memory management, and resource allocation. Prerequisites: CSC 331 and 342. Offered spring.

**CSC 451. COMPILER DESIGN AND
IMPLEMENTATION**

4 sh

This introduction to basic techniques of compiler design and implementation includes specification of syntax and semantics, lexical analysis, parsing and semantic processing. Prerequisite: CSC 435. Offered spring.

CSC 491. INDEPENDENT STUDY

1-4 sh

CSC 499. RESEARCH

1-4 sh

Students engage in undergraduate research under the direction of a Computing Sciences Department faculty member. Maximum of eight semester hours total

112

COOPERATIVE EDUCATION

Director of Experiential Education: Assistant Professor P. Brumbaugh

Assistant Professors: Donathan, Haworth, Krosse, Olive-Taylor, Orndorff, L. Rich, Swint

The Career Center offers courses designed to acquaint Elon students with the career decision-making process, to assist them in career exploration and to prepare them for the job search.

COE 110. EXPLORING CAREERS/MAJORS

1 sh

These group career counseling sessions assist students in choosing among college majors and career options. Topics include career decision-making skills, personal values and needs, interest and skill assessments, senior student panel discussions and workshadowing. Recommended for freshmen and sophomores. Offered fall and spring.

COE 310. SECURING A JOB

1 sh

This course helps students prepare for internships, co-ops, summer jobs and permanent employment. Students develop strategies for achieving career goals, investigate critical issues in the workplace, develop a resume, establish job contacts and learn how to interview effectively. Required of co-op students and recommended for sophomores, juniors and seniors. Offered fall and spring.

The Cooperative Education Work Experience Program enables qualified students to combine classroom theory with professional work experience while completing their degrees. The student may work full-time or part-time with an employer selected and/or approved by the college. Credit hours are based on the number of hours worked during the term—a maximum of 16 semester hours of internship/cooperative education credits may be applied to the 132 semester hours required for the A.B. and B.S. degrees. Evaluation is based on reported

job performance and student reflection on that performance through papers, journals, seminars, class presentations and readings. Contact the Director of Experiential Education for more information.

ELIGIBILITY REQUIREMENTS

Sophomore, junior or senior standing, minimum 2.0 GPA, approval of faculty/Experiential Education Director. COE 310 class recommended.

COE 381-386. CO-OP WORK EXPERIENCE

1-16 sh

This series of courses involves careful monitoring of students in either a part-time or full-time work experience. Students apply classroom theory in a job related to their major/minor/career objectives. Prerequisite: admission to the program.

113

CRIMINAL JUSTICE

Coordinator: Associate Professor McClearn

The Criminal Justice program engages students in the interdisciplinary study of crime and criminal justice, primarily within the United States. Students will gain an understanding of the psychological and sociological dimensions of crime as well as insights into the workings of the criminal justice system and its components. Students will study both academic and applied aspects of the field. Ethical implications and critical analysis of issues will be stressed.

A minor in Criminal Justice Studies requires the following:

PSY 357	Criminal Behavior	4 sh
SOC 355	Sociology of Crime	4 sh
HUS 359	Criminal Justice	4 sh

Eight semester hours of electives selected from the following: 8 sh

CJS 371-9	Special Topics in Criminal Justice
CJS 481	Internship in Criminal Justice
CJS 491	Independent Study
PHL 341	Philosophy of Law
POL 324	Constitutional Law I
SOC 342	Social Deviance

Other courses as approved by the program coordinator

TOTAL	20 sh
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CJS 371-379. SPECIAL TOPICS IN CRIMINAL JUSTICE 2-4 sh

A series of courses reflecting new contributions to the criminal justice field and in-depth treatments of topics of special interest, such as terrorism and organized crime.

Prerequisite: Junior standing and at least one core course, or permission of the instructor. Courses may be cross-listed with other disciplines.

CJS 481. INTERNSHIP IN CRIMINAL JUSTICE

2-4 sh

Students apply classroom knowledge to a law enforcement setting. Internships in a criminal justice setting taken from other disciplines might substitute for CJS 481; approval for any such substitutions must be obtained from program coordinator before registration. Prerequisite: Junior standing and at least one core course, and approval of instructor and program coordinator.

CJS 491. INDEPENDENT STUDY 1-4 sh

Advanced study on a topic of special interest. Prerequisite: Junior standing, at least one core course, and approval of instructor and program coordinator.

CJS 499. RESEARCH 1-4 sh

In collaboration with a faculty member, students undertake an empirical or theoretical study of a topic in the realm of criminal justice studies. Research projects

may include a review of the relevant research literature, data collection and analysis, and a presentation or report when the study is completed. Prerequisite: Junior standing, at least one core course, and approval of instructor and program coordinator. A completed research proposal form completed by the student in conjunction with the faculty member is required for registration.

114

DANCE

Chair, Department of Performing Arts: Associate Professor McNeela

Assistant Professor: Wellford

Adjunct Instructors: Hutchins, Medler, Walker, Wheeler

The primary goal of this program is to foster a love and understanding of dance in all its forms. Therefore, students minoring in Dance will spend time learning both in and out of the studio.

Studio technique classes range from beginning to advanced level and include Ballet, Modern, Jazz and Tap. Students in the minor program are required to complete at least the beginning level in three of these areas and at least an intermediate level in two areas.

Students round out their training with History of Dance and Choreography classes. Numerous performance opportunities are also available through Elon Dancers (student dance organization), choreographic showings, major dance concerts, musicals and various other events.

A minor in Dance requires the following courses:

DAN 301	History of Dance	4 sh
DAN 430	Dance Choreography	4 sh

In addition, each minor must complete the following:

- | | | |
|-----|--|------|
| (a) | six studio technique classes in three of the following: Ballet, Jazz, Modern, or Tap | 6 sh |
| (b) | electives selected from dance offerings
(At least 2 sh at the 300-400 level) | 6 sh |

TOTAL	20 sh
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DAN 101. INTRODUCTION TO DANCE 4 sh

Students explore dance history, creative processes of dance and basic dance movement vocabulary. Offered fall or spring.

DAN 104. BEGINNING MODERN DANCE 1 sh

Students with little or no previous experience in modern dance learn the basic

movement vocabulary of modern dance while working on style, musicality, strength, flexibility and correct alignment. A student must master the competencies of Beginning Modern Dance as outlined in departmental syllabus before advancing to DAN 204. May be repeated for credit. Offered fall and spring.

DAN 105. BEGINNING TAP 1 sh

The student will be introduced to the basics of rhythm tap, including technique, traditional movement vocabulary, rhythmic sensibility, history and the development of individual style. May be repeated for credit. Offered fall and spring.

DAN 106. BEGINNING BALLET 1 sh

Students with little or no previous experience in ballet learn the basic movement vocabulary of modern ballet while working on style, musicality, strength, flexibility and correct alignment. A student must master the competencies of Beginning Ballet as outlined in departmental syllabus before advancing to DAN 206. May be repeated for credit. Offered fall and spring.

DAN 107. BEGINNING JAZZ 1 sh

Students with little or no previous dance experience learn the basic movement vocabulary of jazz while working on style, musicality, strength, flexibility and correct alignment. A student must master the competencies of Beginning Jazz as outlined in departmental syllabus before advancing to DAN 207. It is recommended that a beginning student complete DAN 104 and DAN 106 before taking DAN 107. May be repeated for credit. Offered fall or spring.

DAN 115. FOLK, SQUARE AND SOCIAL DANCE 1 sh

This course introduces the student to various folk, square and social dance forms through analysis, demonstration and practice, with the objective being knowledge of the characteristics of each form and ability to participate in each.

DAN 204. INTERMEDIATE MODERN DANCE 1 sh

Students who have mastered the competencies of Beginning Modern Dance further develop and refine technique and increase strength and flexibility in this class. Enhanced musicality and creative expression are stressed. A student must master the competencies of Intermediate Modern Dance as outlined in departmental syllabus before moving to DAN 304. May be repeated for credit. Prerequisite: DAN 104

or permission of instructor. Offered fall or spring.

DAN 205. INTERMEDIATE TAP 1 sh

This course continues to focus on the aspects of DAN 105 plus the introduction of contemporary vocabulary, flash work, improvisation, polyrhythms and choreography. May be repeated for credit. Prerequisite: DAN 105 or permission of instructor. Offered fall or spring.

DAN 206. INTERMEDIATE BALLET 1 sh

Students who have mastered the competencies of Beginning Ballet further develop and refine technique and increase strength and flexibility in this class. Enhanced musicality and creative expression are stressed. May be repeated for credit. Prerequisite: DAN 106 or permission of instructor. Offered fall or spring.

DAN 207. INTERMEDIATE JAZZ 1 sh

Students with two or more years of dance training further develop and refine technique and increase strength and flexibility in this class. Enhanced musicality and creative expression are important elements of the course. A student must master the competencies of Intermediate Jazz as outlined in departmental syllabus before moving to DAN 307. May be repeated for credit. Prerequisite: DAN 107 or permission of instructor. Offered fall or spring.

DAN 223. DANCE ENSEMBLE 1 sh

Students accepted into this course will perform in departmental dance activities and must be co-registered in a technique class, preferably at the intermediate or advanced level. Admission by audition only. Offered spring.

DAN 301. HISTORY OF DANCE 4 sh

Students explore the evolution of dance as an art from its beginning to 20th century trends. Dance as a Performing Art and Dance as a Social and Educational Art will be covered in this course. Students learn through lectures, discussions, experiential dances and two research projects. Offered alternate years.

DAN 304. ADVANCED MODERN DANCE 1 sh

Students who have mastered the competencies of Intermediate Modern Dance further develop and refine skills in this class.

Enhanced physical strength and flexibility are combined with stress upon musicality and creative expression. May be repeated for credit. Prerequisite: DAN 204 and permission of instructor. Offered fall or spring.

DAN 305. ADVANCED TAP 1 sh

A continuation of the skills developed in DAN 205 with an intense focus on rhythmic sensibility, development of personal style, choreography and improvisation. Prerequisite: DAN 205 or permission of instructor. May be repeated for credit. Offered fall or spring.

DAN 306. ADVANCED BALLET 1 sh

Students who have mastered the competencies of Intermediate Ballet further develop and refine technical skills in this class. May be repeated for credit. Prerequisite: DAN 206 and permission of instructor. Offered fall or spring.

DAN 307. ADVANCED JAZZ 1 sh

Students who have mastered the competencies of Intermediate Jazz further develop and refine technical skills in this class. May be repeated for credit. Prerequisite: DAN 207 and permission of instructor. Offered fall or spring.

**DAN 310. ADVANCED PROJECTS
IN DANCE** 2-4 sh

For this in-depth study of a special topic, the advanced dancer may be given a

performance assignment to demonstrate advanced proficiency in the field (i.e., dance captain for a theatre production, major choreographic duties in department productions, major role in guest choreographer's concert piece, internship at local dance studio culminating in both performance and choreographic work, or an independent research project). Prerequisite: advance permission of instructor.

DAN 320. SPECIAL TOPICS IN DANCE 4 sh

Topics for this in-depth study vary each semester it is offered and may include: Black Theatre & Dance, Dance in Worship, etc. May be repeated for credit.

DAN 420. DANCE FOR MUSICAL STAGE 1 sh

As they become familiar with various music theatre styles from selected historical periods, students also learn dance audition and performance methods for music theatre. Prerequisite: DAN 105, 107 and permission of instructor. Offered fall or spring.

DAN 430. DANCE CHOREOGRAPHY 4 sh

Students explore the tools used to create dance, namely movement, time, space, shape, design, dynamics sound, text properties and visual effects. This course is designed for students with previous dance experience. Not open to freshmen except in unusual circumstances. Prerequisite: at least two dance technique classes or permission of instructor. Offered fall or spring.

DRAMA

See Theatre Arts

ECONOMICS

The Martha and Spencer Love School of Business

Dean of Love School of Business: Professor Burbridge

Chair, Department of Economics: Assistant Professor Lilly

Professor: Tiemann

Associate Professor: Barbour

Assistant Professors: Das, DeLoach, Redington

Economics explores a broad range of questions about society and uses a wide variety of methods to answer those questions. The courses offered by the Economics Department are designed to help students develop economic reasoning — a particular way of looking at the world that is useful in government service, business, the law and many other fields.

The goal of the economics faculty is to teach students to “think like an economist.” This goal is achieved within an extremely flexible major. The department has defined specific tracks that will help students apply their knowledge in a number of areas and help achieve their aspirations. While the tracks provide a suggested framework of classes for students with varied interests, a track is not required for either a major or a minor in economics. The financial economics track would help if a student plans a future in finance or banking; the international economics track for those interested in international careers; the public policy track if the interest is in government service; the economic analysis track for those in market analysis; and the mathematical economics track for students interested in graduate school.

117

A Major in Economics requires the following courses:

MTH 116	Applied Mathematics with Calculus or	
MTH 121	Calculus and Analytic Geometry I	4 sh
ECO 201	Principles of Economics	4 sh
ECO 202	Statistics for Economics and Business	4 sh
ECO 310	Intermediate Macroeconomic Theory	4 sh
ECO 311	Intermediate Microeconomic Theory	4 sh
ECO 498	Senior Thesis Research in Economics	2 sh

Twenty hours ECO electives at the 300–400 level, with:

at least four hours from courses designated Applied Macroeconomics
(ECO 302, 314)

at least four hours from courses designated Applied Microeconomics
(ECO 301, 335, 421, 432)

at least four hours from the 400 level.

No more than eight hours of travel, internship, independent study and
research credit may be counted toward economics elective credit. 20 sh

TOTAL	42 sh
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A Minor in Economics requires the following courses:

ECO 201	Principles of Economics	4 sh
One course from the following:		4 sh
ECO 310	Intermediate Macroeconomic Theory	
ECO 311	Intermediate Microeconomic Theory	
Twelve hours from ECO electives, MTH 114, or SSC 285		12 sh

No more than four hours of travel, internship, independent study and research credit may be counted toward economics elective credit.

TOTAL
20 sh

ECO 201. PRINCIPLES OF ECONOMICS 4 sh

An introduction to the fundamentals of both microeconomics and macroeconomics, including supply and demand, the theory of the firm, consumer behavior, macroeconomic equilibrium, unemployment and inflation. The course also introduces students to economic methodology, including creating arguments, empirical verification and policy decision-making. Prerequisites: MTH 110 or higher, or placement in MTH 116 or higher. Offered fall, spring and summer.

ECO 202. STATISTICS FOR ECONOMICS AND BUSINESS 4 sh

Statistics for Economics and Business focuses on the collection, presentation, analysis and interpretation of statistical data. Among the topics covered are: descriptive tools for frequency distributions, central tendency and dispersion; sampling theory and sampling distributions; and techniques for statistical inference, including estimation and hypothesis testing and linear regression. Prerequisite: MTH 116 or higher. No credit for both MTH 114 and ECO 202. Offered fall, spring and summer.

ECO 271. SEMINAR: ECONOMIC ISSUES 1-4 sh

A series of courses covering contemporary issues in economics not otherwise covered in the curriculum. The topics will vary around a common theme of timeliness. These courses are appropriate to students from across the college irrespective of major or level.

ECO 301. BUSINESS ECONOMICS 4 sh

Business Economics focuses on where firms fit in the analysis of market activity, how economists see the problem of organizing economic activity, understanding when markets solve that problem and why they sometimes do not, and how businesses have

emerged as a response to the organization problem. *Applied Microeconomics*. Prerequisites: ECO 201 and 202 (or MTH 114). Offered fall, spring and summer.

ECO 302. MONEY AND BANKING 4 sh

Students learn about the history and structure of the U.S. financial system. Exploration of the interaction between the primary financial markets – money, bonds and foreign exchange – is fundamental to this understanding. The theory and conduct of monetary policy is also developed, with particular attention paid to the evolution of the international monetary system. *Applied Macroeconomics*. Prerequisites: ECO 201 and 202 (or MTH 114). Offered spring.

ECO 310. INTERMEDIATE MACROECONOMIC THEORY 4 sh

This course concentrates on the theory of economic growth and the business cycle. Building on the simple Keynesian spending model, the IS-LM general equilibrium model is developed. Current policy debates, as well as debates within the discipline are explored and evaluated. Particular emphasis will be placed on the interaction of the theoretical and empirical components of macroeconomics. Prerequisites: ECO 201 and 202 (or MTH 114). Offered fall.

ECO 311. INTERMEDIATE MICROECONOMIC THEORY 4 sh

With this study of how individual agents, both firms and households, interact in various kinds of markets, students gain a better understanding of household economic behavior, firm behavior and the conditions under which prices can most effectively allocate scarce resources. Prerequisites: ECO 201 and 202 (or MTH 114). Offered spring.

ECO 314. INTERNATIONAL TRADE AND FINANCE

4 sh

This course focuses on how policies implemented by a country, both in trade and finance, influence its welfare at home and abroad. Topics in trade include specialization and gains from trade, determinants of trade patterns, the role of increased globalization on a nation's competitiveness and its distribution of income, the political economy of protectionism at the national, regional (NAFTA, EU), and international (WTO) levels as well as the use of trade policies to influence development and growth. Topics in finance include balance on international payments, the foreign exchange market, the economic policy adjustments under fixed and flexible exchange rates and focuses on the problems of international finance and international investments across countries. *Applied Macroeconomics*. Prerequisite: ECO 201.

ECO 315. ECONOMIC HISTORY

4 sh

This course introduces and analyzes the importance of economic issues in the history of nations and regions. In the words of J.M. Keynes "indeed the world is driven by little else." The course is structured so that work will focus on a particular region of the world. The over-arching objective of the course is to develop students' appreciation of the importance of economic activity and economic structures in the historical development of society. Prerequisites: Junior standing or ECO 201.

ECO 317. THE ECONOMICS OF GENDER

4 sh

This course is designed to help students investigate the economic status of women in the labor market, how that role has changed over time and the differences between labor market outcomes for both men and women. It involves a comparison of women and men with respect to labor supply (market and non-market work), wage rates, occupational choices, unemployment levels, and the changing role of work and family. Topics include discrimination, pay inequity, occupational segregation, traditional and nontraditional work,

resource ownership, poverty, race, the global economic status of women and finally public policy issues such as comparable worth and family friendly policies designed to bridge the gap between women and men. Prerequisites: Junior standing or ECO 201.

ECO 335. THE ECONOMICS OF ENVIRONMENTAL ISSUES

4 sh

This course explores the interactions of economic forces and policies with environmental issues. What are the costs of pollution and what are we buying for those costs? Who bears the burden of environmental damage? How might we reduce environmental impact and how do we decide how much damage is appropriate? *Applied Microeconomics*. Prerequisite: ECO 201.

ECO 347. STATISTICAL ANALYSIS

4 sh

Students examine applications of statistical techniques for analyzing variance and covariance, chi-square, simple and multiple correlation and regression, interpretation of standard designs used in scientific research, non-parametric tests, time series analysis and decision theory. Prerequisites: ECO 202 (or MTH 114) and MTH 116 or higher. Or permission of instructor.

ECO 348. MATHEMATICAL ECONOMICS

4 sh

This course is designed to provide students in economics and mathematics with an opportunity to learn and use the tools of economics in the manner in which they are employed in the profession. While mathematical techniques such as constrained optimization and multi-dimensional modeling will be taught, the principle aim of the course is to develop students' facility with using mathematics as a basis for economic reasoning. Prerequisites: ECO 202 (or MTH 114) and MTH 116 or higher. Or permission of instructor.

ECO 351. EUROPEAN UNION STUDY TOUR

4 sh

This is an opportunity to see the development of the largest single economic unit ever to exist on Earth through the eyes of those who live within it. While traveling

through the EU we meet with people who are directly involved in the day-to-day operation of the European Union bureaucracy, and with those who have had a hand in the negotiations that have resulted in the formation of the European Union. We meet with scholars who have studied the European Union and its likely impacts on various economic, political and social aspects of daily life, both within the European Union and in the rest of the world. We meet with small business owners who have been and continue to be affected by the developments of the European Union. In addition we meet with representatives of the United States government and of United States businesses in the European Union. This course is a companion course with BUS 366, which is limited to business majors, and GST 274, which is open to all students. Prerequisites: ECO 201. Enrollment limited to economics majors. This course may not be used to fulfill Advanced General Studies requirements for the college general studies component. Offered in winter term only.

ECO 352. CAFÉ EUROPA: EASTERN EUROPE IN TRANSITION 4 sh

The end of the communist era began a painful process of economic transition across central and eastern Europe. In this course, students travel in this region and spend time meeting with students and professors to learn about how each nation is dealing with this process of change. Though each country must deal with some of the same issues, such as macroeconomic stabilization, privatization, restructuring and legal reform, their experiences have been markedly different. One objective is to explore the interaction between these policy goals and the country-specific factors that have had an effect on their success. This course is a companion course with BUS 366, which is limited to business majors, and GST 257, which is open to all students. Prerequisites: ECO 201. Enrollment limited to economics majors. This course may not be used to fulfill Advanced General

Studies requirements for the college general studies component. Offered in winter term only.

ECO 371. SPECIAL TOPICS IN ECONOMICS 1-4 sh

A series of courses reflecting new contributions in economics or specialized areas not otherwise covered in the curriculum. Topics have included "Starting a Small Business," "The European Union via the Internet" and "The Economics of Sport." Prerequisites: Will vary with the topic but will generally include junior standing or ECO 201 and 202.

ECO 381. INTERNSHIP IN ECONOMICS 1-8 sh

This course provides opportunities for students to apply concepts and information gathered in the economics classroom to actual experience in the community. Placements may include businesses, not-for-profit organizations or teaching assistants in lower-division economics classes. Prerequisites: Junior standing or ECO 201 and 202 or permission of instructor. Offered fall, winter, spring and summer.

ECO 391. INDEPENDENT STUDY 1-4 sh

Students pursuing the major or minor in economics may complete individual study in an area of special interest that is not otherwise covered in regular course offerings. Study is to be undertaken under the guidance of a member of the economics faculty. An Independent study form must be completed prior to registration. Prerequisites: Junior standing or ECO 201 and 202 or permission of instructor. Offered fall, winter, spring and summer.

ECO 399. RESEARCH IN ECONOMICS 1-4 sh

In collaboration with an economics faculty member, students undertake an empirical or theoretical study of a topic in economics. Research topics may include a review of the relevant research literature, data collection and analysis and a presentation or report when the study is completed. A research proposal form, completed by the student in conjunction with the faculty member is required for registration. Students may

register for 1-4 hours of credit per semester and may register for more than one semester of research. Prerequisites: Junior standing or ECO 201 and 202 (or MTH 114). Offered fall, winter, spring and summer.

ECO 411. HISTORY OF ECONOMIC THOUGHT 4 sh

Students survey the evolution of economic thought from antiquity to the present and learn to identify and critically evaluate various schools of economic thought. In particular, students will develop a sense of economics as part of the larger sweep of intellectual advancement and the place thoughts about matters economic occupy in human knowledge. Prerequisites: Completion or concurrent enrollment in ECO 310 and 311 or permission of instructor.

ECO 421. INDUSTRIAL ORGANIZATION AND REGULATION 4 sh

Industrial organization is a policy course concerned with the structure of firms and markets and their interactions. Real world market frictions such as limited information, transaction costs, costs of adjusting prices, advertising and research and development expenses, government actions, and barriers to entry by new firms into a market will be examined. This course offers a critical understanding of specific industries such as computers, airline, automobile, telecommunications, etc. Students study how firms in such industries strategically react to rivals and customers, and further examine the impact of antitrust regulation, public utility regulation and social regulation on American business. *Applied Microeconomics*. Prerequisites: Completion or concurrent enrollment in ECO 310 and ECO 311 or permission of instructor.

ECO 430. EXPERIMENTAL ECONOMICS 4 sh

This course will develop your ability to learn from experience. We will explore the general principles of experimental design, and review the history of experimental economics. The primary student task in the course will be to design, implement, analyze and describe a significant experiment. We

will use the statistical software SAS to analyze the data. No previous experience with SAS is needed. Prerequisites: Completion or concurrent enrollment in ECO 310 and 311 or permission of instructor.

ECO 432. PUBLIC FINANCE 4 sh

This course exists at the interface of economics and political science. The principle issue is an examination of the question: "What is the proper role of government in the economic sphere?" Specific topics include optimal taxation, tax incidence, expenditure analysis, how governments decide among alternative programs, public production and bureaucracy, and equity-efficiency tradeoffs. The course deals with the relationships among governments at the federal, state and local levels from both theoretical and applied perspectives. Applications vary from year to year, but will likely include health care, defense, social insurance, welfare and education. *Applied Microeconomics*. Prerequisites: Completion or concurrent enrollment in ECO 310 and 311 or permission of instructor.

ECO 471. ADVANCED SPECIAL TOPICS IN ECONOMICS 1-4 sh

A series of courses reflecting new contributions in economics or specialized areas not otherwise covered in the curriculum. Prerequisites: Will vary with the topic but will generally include completion or concurrent enrollment in ECO 310 and 311. Offered fall, winter and spring.

ECO 481. ADVANCED INTERNSHIP IN ECONOMICS 1-4 sh

This course provides opportunities for students to apply concepts and information gathered in the economics classroom to actual experience in the community. Placements may include businesses, not-for-profit organizations or teaching assistants in lower-division economics classes. Prerequisites: Will vary with the topic but will generally include completion or concurrent enrollment in ECO 310 and ECO 311 or permission of instructor. Enrollment limited

to economics majors. Offered fall, winter, spring and summer.

ECO 491. ADVANCED INDEPENDENT STUDY

1-4 sh

Students pursuing the major or minor in economics may complete individual study in an area of special interest that is not otherwise covered in regular course offerings. Study is to be undertaken under the guidance of a member of the economics faculty. An Independent study form must be completed prior to registration.

Prerequisites: Will vary with the topic but will generally include completion or concurrent enrollment in ECO 310 and ECO 311 or permission of instructor. Enrollment limited to economics majors. Offered fall, winter, spring and summer.

ECO 498. SENIOR THESIS

2-4 sh

This is the culmination of the economics major and serves as the student's required comprehensive evaluation in the major field of study. For this research project, economics majors work individually with a

professor to build on work done in previous courses, culminating in a work of presentation quality. The completed work is to be presented in a public forum such as SURE, national or regional professional society meetings, or at a campus-level economics symposium. In addition all students are to present their work before the collected faculty, students and guests of the economics department. Prerequisites: ECO 310, 311, and eight additional hours of economics numbered 300 or above; senior economics major.

ECO 499. ADVANCED RESEARCH

1-4 sh

Students engage in advanced undergraduate research under the direction of an economics department faculty member. Predominately this course will be restricted to economics majors and will be in preparation for their senior thesis. Maximum of eight semester hours total credit. Prerequisites: Eligibility as determined by the undergraduate research guidelines of Elon College and approval by the department. Enrollment limited to economics majors.

EDUCATION

Chair, Department of Education: Associate Professor Beamon

Professors: Dillashaw, Simon

Associate Professors: Bass, Howard, Wooten

Assistant Professors: DeBique-Richards, Morgan, Stuart, Thurlow

Elon's education program prepares teachers for careers in the elementary, middle and high school grades. The program emphasizes practical hands-on experience as well as educational theory and methods classes on campus. Yearly field experiences in public school classrooms begin the first year and culminate with a semester of full-time teaching in the student's preferred licensure area.

Elon is widely recognized for the success of its teacher education program, which is accredited by the National Council for Accreditation of Teacher Education, and is one of only two private colleges in the state selected to offer the prestigious N.C. Teaching Fellows Program.

Elon College offers programs leading to N.C. licensure in Elementary Education, Middle Grades Education, Special Education (Specific Learning Disabilities), special subject areas for grades K-12 and in seven areas at the secondary level. The goal of the undergraduate program in Education is to foster in the student:

- the knowledge of the purposes of education and the role of the school in our democratic society

- the understanding of the role of the teacher as decision maker
- the knowledge and skills required for developing competence in the various teacher roles
- a belief in the dignity and worth of each individual
- the knowledge of the process of human growth and development
- the knowledge of planning for instruction utilizing various teaching methodologies, materials and organizational patterns
- knowledge of the subject matter in school curriculum
- competence in evaluating student learning
- the knowledge and skills necessary to maintain a classroom environment that facilitates learning and to accommodate the learning needs of exceptional and culturally diverse students
- a desire for professional affiliation, lifelong learning and continuing professional growth and development

123

The student who successfully completes any of the teacher education programs at Elon College will be eligible for licensure to teach in North Carolina. The State of North Carolina is party to the Interstate Certification Compact which qualifies Elon College graduates also to be licensed in all states party to this Compact.

Currently there are 26 states which have entered into this reciprocity agreement. Any student planning to teach in a state not a part of the Interstate Certification Compact should obtain a copy of the licensure requirements for a public school teacher from the State Superintendent of Education of the state in which the student plans to teach.

Before being admitted into the Teacher Education Program, the student must make application to the program, be recommended by the appropriate major department, be interviewed and approved by the Teacher Education Committee and meet minimum score requirements on the Pre-Professional Skills Tests. *North Carolina requires the following minimum scores: PPST Reading-176; PPST Mathematics-173; and PPST Writing-173 and a GPA of 2.5 for all coursework completed at the time of admission. The minimum GPA of 2.5 must be maintained to continue in the program.

In all cases, approval for admission to the program is subject to the discretion of the Teacher Education Committee, which bases its decision not only on the above factors, but also on satisfactory command of standard English usage (written and oral) and mental, physical, moral and emotional acceptability for teaching. The Teacher Education Committee may, at its discretion, dismiss a student from the Teacher Education Program.

Application forms for the Teacher Education Program are available in the office of the Department of Education and must be filed by September 15 or February 15 of the semester immediately prior to the beginning of the student's junior year. A student must be unconditionally admitted to the program before being permitted to take education courses beyond the 200 level. Exceptions to this policy must be approved by the Dean, Division of Education/Health, Physical Education and Leisure/Sport Management.

To be recommended for teacher licensure, a student must meet all academic requirements and have a GPA minimum of 2.5. A student must also meet the minimum score on the Principles of Learning and Teaching test (North Carolina requires a minimum score of 160) and the Specialty Area Test (minimum scores for this test vary with content area) and have a recommendation from the school system in which student teaching was completed.

All students who are education majors or who already hold a Bachelor's degree and are seeking only licensure are subject to the decisions and regulations of the N.C. State Board of

Education. These decisions and regulations are binding on the student on the date and time specified by the Board.

- ★ All students planning to teach in a state other than North Carolina must contact the appropriate state's Department of Public Instruction and secure its standards for appropriate requirements.

At Elon College, the teacher education programs are fully approved by the N.C. State Board of Education. While a student ordinarily may graduate and be licensed under the catalog requirements in effect at the time the student is admitted to the Teacher Education Program, the Board may mandate changes in standards of approved teacher education programs, requiring students to modify or add to their original degree programs to be eligible for licensure upon completion of graduation requirements. Students should consult their advisor about current program requirements.

124

ELEMENTARY EDUCATION

A major in Elementary Education consists of the courses necessary to meet the requirements for Elementary Education (K-6) licensure in the public schools of North Carolina. The following courses are required of all Elementary Education majors.

ENG 250	Interpretations of Literature	4 sh
ENG 398	Children's Literature	4 sh
FNA 369	Fine Arts in the Public Schools	4 sh
HED 362	Healthful Living in the Elementary School	3 sh
HST 112	Europe and the Mediterranean World since 1660	4 sh
HST 123	The U.S. and N.C. since 1865	4 sh
GEO 131	The World's Regions	4 sh
POL 111	American Government	4 sh
BIO 101	Topics in General Biology	3 sh
BIO 102	General Biology Lab	1 sh
CHM 101/102	Basic Concepts in Chemistry/Lab	4 sh or
PHY 110	Energy and the Environment	4 sh
PHY 102	Introduction to Astronomy	4 sh or
PHY 103	Introduction to Geology	4 sh
PSY 321	Educational Psychology	4 sh
MTH 210	Mathematics for Elementary and Middle Grades Teachers (GS Math requirement is a prerequisite)	4 sh
CIS 220	Computers and Teaching	3 sh
EDU 211	Introduction to Education with Practicum	4 sh
EDU 321	Reading in the Elementary School	4 sh
EDU 361	Communication Skills Methods and Materials for Elementary Teachers	4 sh
EDU 363	Social Studies Methods and Materials for Elementary Teachers	4 sh
EDU 430	Foundations of Education	3 sh
EDU 450	Meeting Special Learning Needs of Children	3 sh
EDU 465	Mathematics Methods and Materials	

	for Elementary Teachers	4 sh
EDU 467	Science Methods and Materials for Elementary Teachers	4 sh
EDU 480	Student Teaching Seminar	2 sh
EDU 481	Supervised Observation and Student Teaching	10 sh
TOTAL		96 sh

MIDDLE GRADES EDUCATION

A major in Middle Grades Education consists of the courses necessary to meet the requirements for Middle Grades (6-9) licensure in the public schools of North Carolina. The following Core Courses are required of all Middle Grades Majors:

FNA 369	Fine Arts in the Public Schools	4 sh
CIS 220	Computers and Teaching	3 sh
PSY 321	Educational Psychology	4 sh
EDU 211	Introduction to Education with Practicum	4 sh
EDU 322	Reading in the Content Areas	2 sh
EDU 430	Foundations of Education	3 sh
EDU 441	Curriculum and Instruction in the Middle Grades	3 sh
EDU 450	Meeting Special Learning Needs of Children	3 sh
EDU 480	Student Teaching Seminar	2 sh
EDU 481	Supervised Observation and Student Teaching	10 sh
	Two subject area concentrations	54-60 sh
TOTAL		92-98 sh

In addition to the Core Courses, a student majoring in Middle Grades Education must select two subject area concentrations from the following:

Communication Skills Concentration

ENG 205	English Grammar	4 sh
ENG 224	American Literature II	4 sh
ENG 250	Interpretations of Literature	4 sh
ENG 319	Writing Center Workshop	4 sh
ENG 399	Young Adult Literature	4 sh
EDU 362	Communication Skills Methods and Materials for Middle Grades Teachers	4 sh

One course from the following: 4 sh

- ENG 238 African-American Literature before 1945
- ENG 239 African-American Literature since 1945
- ENG 359 African-American Novels
- ENG 363 Literature and Culture: India, Africa & West Indies

TOTAL	28 sh
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Social Studies Concentration

ECO 201	Principles of Economics	4 sh
GEO 131	The World's Regions	4 sh
HST 112	Europe and the Mediterranean World since 1660	4 sh
HST 122	United States History since 1865	4 sh
HST 221	The World in the Twentieth Century	4 sh
HST 361	North Carolina in the Nation	4 sh
POL 111	American Government	4 sh
EDU 364	Social Studies Methods and Materials for Middle Grades Teachers	4 sh
TOTAL		32 sh

Mathematics Concentration

MTH 110	The Nature of Mathematics	4 sh
MTH 114	Elementary Statistics	4 sh
MTH 115	College Algebra with Elementary Functions	4 sh
MTH 121	Calculus and Analytic Geometry I	4 sh
MTH 221	Calculus and Analytic Geometry II	4 sh
MTH 210	Mathematics for Elementary and Middle Grades Teachers	4 sh
EDU 422	Materials and Methods of Teaching Middle Grades and Secondary Mathematics	4 sh
TOTAL		28 sh

Science Concentration

BIO 101	Topics in General Biology	3 sh
BIO 102	General Biology Lab	1 sh
BIO 121	Biological Diversity	4 sh
CHM 111	General Chemistry I	3 sh
CHM 113	General Chemistry Lab	1 sh
PHY 110	Energy and the Environment	4 sh
PHY 102	Introduction to Astronomy	4 sh
PHY 103	Introduction to Geology	4 sh
EDU 424	Materials and Methods of Teaching Middle Grades and Secondary Science	4 sh
TOTAL		28 sh

SPECIAL EDUCATION

A major in Special Education (Specific Learning Disabilities) consists of the courses necessary to meet the requirements for Special Education (K-12) licensure in the public schools of North Carolina. The following courses are required of all Special Education majors.

ENG 250	Interpretations of Literature	4 sh
FNA 369	Fine Arts in the Public Schools	4 sh

HED 362	Healthful Living in the Elementary School	3 sh
HST 112	Europe and the Mediterranean World since 1660	4 sh
HST 123	The U.S. and N.C. since 1865	4 sh
GEO 131	The World's Regions	4 sh
POL 111	American Government	4 sh
BIO 101	Topics in General Biology	3 sh
BIO 102	General Biology Lab	1 sh
CHM 101/102	Basic Concepts in Chemistry/Lab	4 sh or
PHY 110	Energy and the Environment	4 sh
PSY 321	Educational Psychology	4 sh
MTH 210	Mathematics for Elementary and Middle Grades Teachers (GS Math requirement is a prerequisite)	4 sh
CIS 220	Computers and Teaching	3 sh
EDU 211	Introduction to Education with Practicum	4 sh
EDU 321	Reading in the Elementary School	4 sh
EDU 342	Historical, Legal, and Educational Aspects of Special Education	3 sh
EDU 345	Planning and Managing the Learning Environment	3 sh
EDU 347	Nature and Needs of Students with Learning Disabilities	3 sh
EDU 361	Communication Skills Methods and Materials for Elementary Teachers	4 sh
EDU 363	Social Studies Methods and Materials for Elementary Teachers	4 sh
EDU 430	Foundations of Education	3 sh
EDU 435	Assessment Methods, Use and Interpretations	3 sh
EDU 443	Specialized Instructional Methods and Materials	3 sh
EDU 465	Mathematics Methods and Materials for Elementary Teachers	4 sh
EDU 467	Science Methods and Materials for Elementary Teachers	4 sh
EDU 480	Student Teaching Seminar	2 sh
EDU 481	Supervised Observation and Student Teaching	10 sh
TOTAL		100 sh

SECONDARY EDUCATION

The student planning to teach at the high school level completes a major in a discipline and the necessary Professional Studies courses for teacher licensure at the secondary level (grades 9 - 12). Secondary Education Licensure is available in Biology, Chemistry, Comprehensive Science, English, History, Mathematics, Physics, and Social Studies. Specific requirements for each program are listed with the appropriate department in this catalog. In general, the following Professional Studies courses must be satisfactorily completed:

EDU 211	Introduction to Education with Practicum	4 sh
EDU 322	Reading in the Content Areas	2 sh
Choose an appropriate methods course:		4 sh
EDU 421	Materials and Methods of Teaching High School English	
EDU 422	Materials and Methods of Teaching Middle Grades and Secondary Mathematics	
EDU 424	Materials and Methods of Teaching Middle Grades and Secondary Science	
EDU 425	Materials and Methods of Teaching High School Social Studies	
EDU 430	Foundations of Education	3 sh
EDU 450	Meeting Special Learning Needs of Children	3 sh
EDU 480	Student Teaching Seminar	2 sh
EDU 481	Supervised Observation and Student Teaching	10 sh
CIS 220	Computers and Teaching (Not required for Mathematics Education majors)	3 sh
PSY 321	Educational Psychology	4 sh
TOTAL		35 sh

SPECIAL SUBJECT AREAS (K-12)

Programs leading to licensure in special subject areas at the K-12 level are available in French, Health Education, Music Education, Physical Education, and Spanish. Specific requirements for these programs are listed with the appropriate department in this catalog. In general, the following Professional Studies courses must be satisfactorily completed:

EDU 211	Introduction to Education with Practicum	4 sh
EDU 322	Reading in the Content Areas	2 sh
One of the following courses:		4 sh
EDU 423	Materials and Methods of Teaching Physical Education	
EDU 427	Materials and Methods of Teaching Health and Safety	
EDU 428	Materials and Methods of Teaching Foreign Languages	
MUS 461	Music Education in the Public Schools	
EDU 430	Foundations of Education	3 sh
EDU 450	Meeting Special Learning Needs of Children (Not required for Physical Education majors)	3 sh
EDU 480	Student Teaching Seminar	2 sh
EDU 481	Supervised Observation and Student Teaching	10 sh
CIS 220	Computers and Teaching	3 sh
PSY 321	Educational Psychology	4 sh

EDU 211. INTRODUCTION TO EDUCATION WITH PRACTICUM

4 sh

This introduction to the concepts of teaching and the teacher's role as a decision maker uses a combination of classroom instruction and practical experiences.

Prospective teachers gain greater understanding of the teaching profession and develop an awareness of students' characteristics and needs. Offered fall, winter and spring.

**EDU 321. READING IN THE
ELEMENTARY SCHOOL 4 sh**

Study focuses on developing the philosophical framework, knowledge, and methodology necessary for planning learning experiences to enhance students' language development. Key course components include theory and process, pedagogy, assessment, the learner and professional development. Prerequisites: EDU 211, PSY 321. Offered fall and spring.

**EDU 322. READING IN THE
CONTENT AREAS 2 sh**

The focus of this course is on reading strategies to guide middle school and high school instruction. Prospective teachers apply readability formulas to content area readings and design activities to promote vocabulary development, comprehension, study skills and writing to learn. Prerequisites: EDU 211, PSY 321. Offered fall and spring.

**EDU 342 HISTORICAL, LEGAL,
EDUCATIONAL ASPECTS
OF SPECIAL EDUCATION 3 sh**

This course will address the importance of the historical evolution of the field of special education, including philosophical foundations, legal underpinnings, and current trends. The learning and behavioral characteristics of the various categories of exceptionality will be identified, and issues in definition and identification procedures will be explored. Major theories will be examined in terms of their educational implications for exceptional children. Offered fall.

**EDU 345 PLANNING AND MANAGING
THE LEARNING ENVIRONMENT 3 sh**

This course will review basic classroom management theories, methods and techniques for students with exceptional learning needs. Attention will be given to ways of applying behavioral modification programs appropriately in order to manage individual and group behavior. Strategies for establishing a positive and supportive learning environment will be explored

along with skills for integrating special students in various settings. Offered spring.

**EDU 347 NATURE AND NEEDS OF STUDENTS
WITH LEARNING DISABILITIES 3 sh**

A course designed to consider the specific area of disability in depth, including etiology, prevalence and characteristics. This course will review and analyze current practice and research on issues relating to the education of students with learning disabilities. Historical and legal aspects pertaining to the particular area of disability will be reviewed as well. Offered winter.

**EDU 361. COMMUNICATION SKILLS, METHODS
AND MATERIALS FOR ELEMENTARY
TEACHERS 4 sh**

Students learn how to investigate, evaluate, and select content, methods and materials used in organizing and teaching communication skills in elementary school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, PSY 321. Offered fall and spring.

**EDU 362. COMMUNICATION SKILLS METHODS
AND MATERIALS FOR MIDDLE
GRADES TEACHERS 4 sh**

This course enables students to investigate, evaluate and select content, methods and materials used in organizing and teaching communication skills in middle school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, PSY 321. Offered fall and spring.

**EDU 363. SOCIAL STUDIES METHODS AND
MATERIALS FOR ELEMENTARY
TEACHERS 4 sh**

This course enables students to investigate, evaluate and select content, methods and materials used in organizing and teaching social studies in elementary school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, PSY 321. Offered fall and spring.

EDU 364. SOCIAL STUDIES METHODS AND MATERIALS FOR MIDDLE GRADES TEACHERS 4 sh

This course enables students to investigate, evaluate, and select content, methods and materials used in organizing and teaching social studies in middle school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, PSY 321. Offered fall and spring.

EDU 421. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL ENGLISH 4 sh

In this study of the content and organization of the English curriculum with emphasis on methods and materials used in teaching literature, language skills, and composition, students review print and non-print media, create lesson and unit plans, lead classroom discussions and conduct teaching demonstrations. Public school classroom observation and assistance are required. Prerequisites: EDU 211, PSY 321. Offered fall semester.

EDU 422. MATERIALS AND METHODS OF TEACHING MIDDLE GRADES AND SECONDARY MATHEMATICS 4 sh

Students study the objectives and content of the mathematics curriculum in grades 6-12, including the materials, techniques, and methods of evaluation used in teaching mathematics in middle and high school grades. A practicum in the public schools is required. Prerequisites: EDU 211, PSY 321. Offered fall semester.

EDU 423. MATERIALS AND METHODS OF TEACHING PHYSICAL EDUCATION 4 sh

This course covers the methods, materials, and techniques of teaching physical education, including organization and planning of the total curriculum and daily programs. Students also observe and conduct activity classes. Public school practicum required. Prerequisites: EDU 211, PSY 321. Offered fall semester.

EDU 424. MATERIALS AND METHODS OF TEACHING MIDDLE GRADES AND SECONDARY SCIENCE 4 sh

Students develop, select and evaluate content, methods and materials used in teaching science at the middle or high school level. Study examines current trends in teaching the natural sciences and addresses safety concerns. Observations and practicum in middle and/or high schools required. Prerequisites: EDU 211, PSY 321. Offered fall semester.

EDU 425. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL SOCIAL STUDIES 4 sh

A study of the materials and methods of teaching social studies, emphasizing planning, organization, objectives and evaluation. Public school practicum required. Prerequisite: EDU 211, PSY 321. Offered fall semester.

EDU 427. MATERIALS AND METHODS OF TEACHING HEALTH AND SAFETY 4 sh

This course emphasizes methods of curriculum planning, analyzing and developing content area, unit plans and teaching approaches for all levels of school (K-12). Public school practicum required. Prerequisites: EDU 211, PSY 321. Offered fall semester.

EDU 428. MATERIALS AND METHODS OF TEACHING FOREIGN LANGUAGES 4 sh

This study of the content and organization of the foreign language curriculum in the public schools emphasizes methods and materials used in teaching at all levels (K-12) and covers how teaching the four basic skills and the target culture varies at each level. Students discuss theories of planning, instruction, choice of materials and evaluation and gain practical experience by participating in a public school classroom. Prerequisites: EDU 211, PSY 321. Offered fall semester.

EDU 430. FOUNDATIONS OF EDUCATION 3 sh

This foundations course is a study of the historical development and philosophical basis for public education in the U.S.,

including the role and influence of schools in society and the teachers role as it has emerged from the philosophies, practices and policies of public education. Offered fall and spring.

EDU 435. ASSESSMENT METHODS, USE AND INTERPRETATION 3 sh

This course will concentrate on the assessment and evaluation of special needs students. The different purposes of assessment will be explored through both formal and informal measures. Skills will include developing and administering a variety of instruments, interpreting and using assessment data in instructional planning and recognizing the limitations of test instruments, especially as related to cultural and linguistic issues. Current methodologies will be explored, including a variety of authentic assessment procedures. Offered fall.

EDU 441. CURRICULUM AND INSTRUCTION IN THE MIDDLE GRADES 3 sh

This study of historical and contemporary curricula and instruction in middle and junior high schools, emphasizes the special curricular and instructional needs of the pre- and early adolescent and explores various programs to teach 11- to 14-year-olds academic and personal skills and concepts. Prerequisite: EDU 211. Offered spring semester.

EDU 443. SPECIALIZED INSTRUCTIONAL METHODS AND MATERIALS 3 sh

Current literature on effective instructional practice will be used as the basis for developing advanced skills necessary to plan and implement instruction for special needs students. Materials will be examined and evaluated in terms of their usefulness for exceptional students. Ways to adapt materials and modify curriculum will be investigated. An emphasis will be placed on the utilization of assessment results in planning instruction. Offered spring.

EDU 450. MEETING SPECIAL LEARNING NEEDS OF CHILDREN 3 sh

This course prepares teachers for using

individualized programs for students with special learning needs. Students survey the literature related to instruction of these students, including assessing individual needs and modes of learning with implications for mainstreamed classroom teaching. Offered fall and spring.

EDU 465. MATHEMATICS METHODS AND MATERIALS FOR ELEMENTARY TEACHERS 4 sh

This course enables students to investigate, evaluate and select content, methods and materials used in organizing and teaching mathematics in elementary school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, PSY 321. Offered fall and spring.

EDU 467. SCIENCE METHODS AND MATERIALS FOR ELEMENTARY TEACHERS 4 sh

This course enables students to investigate, evaluate and select content, methods and materials used in organizing and teaching science in elementary school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, PSY 321. Offered fall and spring.

EDU 480. STUDENT TEACHING SEMINAR 2 sh

This seminar focuses on classroom management strategies, legal aspects of teaching, the teacher as decision maker and creating a professional development plan. Must be taken concurrently with EDU 481. Offered fall and spring.

EDU 481. SUPERVISED OBSERVATION AND STUDENT TEACHING 10 sh

Students experience the classroom full-time for one semester, with periodic conferences with the college supervisor(s) and the classroom teacher(s). The student becomes acquainted with the duties and observes the methods and activities of an experienced teacher, with gradual induction into full-time teaching responsibilities. Corequisite: EDU 480. Prerequisites: EDU 211, 430 and grade of C or better in appropriate methods course(s). Offered fall and spring.

EDU 499. RESEARCH

1-4 sh

Students engage in undergraduate research under the direction of an Education Department faculty member. Maximum of

eight semester hours total credit. Prerequisites: Eligibility as determined by the undergraduate research guidelines of Elon College and approved by the department.

ENGINEERING

Coordinator: Associate Professor D'Amato

Engineering means problem-solving. An engineer may be solving problems dealing with energy, food production, product manufacturing, construction, or any number of interesting areas of study. Possible engineering degrees include: aerospace engineering, biological engineering, chemical engineering, civil engineering, computer engineering, electrical engineering, environmental engineering, industrial engineering, materials science and engineering, mechanical engineering, nuclear engineering and textile engineering.

The dual degree engineering programs at Elon supports students in working toward two degrees — one from Elon and one from an affiliated engineering university. Elon currently has an affiliation with North Carolina State University and working on agreements with other institutions. Upon completion of three years at Elon and two years at an engineering university, students will receive a B.S. degree from Elon in engineering physics, engineering mathematics or computer science/engineering, and a B.S. degree from an engineering school in an engineering area of their choice. Students must complete Elon's General Studies Program requirements and one of the options listed below.

Degree requirements

All dual degree engineering programs require the following core courses:

CHM 111	General Chemistry I	3 sh
CHM 113	General Chemistry I Lab	1 sh
CHM 112	General Chemistry II	3 sh
CHM 114	General Chemistry II Lab	1 sh
PHY 113	General Physics I w/Calculus	4 sh
PHY 114	General Physics II w/Calculus	4 sh
MTH 121	Calculus and Analytic Geometry I	4 sh
MTH 221	Calculus and Analytic Geometry II	4 sh
MTH 321	Calculus and Analytic Geometry III	4 sh
MTH 421	Differential Equations	4 sh
CSC 130	Computational Programming	4 sh
TOTAL		36 sh

Engineering Foundations

EGR 101	Intro to Engineering	1 sh
EGR 102	Intro to Engineering Design	1 sh
EGR 206	Eng Mechanics - Statics	3 sh
EGR 208	Eng Mechanics - Dynamics	3 sh
EGR/PHY 211	Circuit Analysis	3 sh
EGR/PHY 212	Circuit Analysis Lab	1 sh
EGR/PHY 310	Engineering Thermodynamics	4 sh
TOTAL		16 sh

Select from the following three options:

I. Engineering Physics

PHY 213	Intro to Modern Physics	4 sh
PHY 311	Classical Electrodynamics	4 sh
8 sh of physics at the 300-400 level (excluding PHY 305)		8 sh
TOTAL		16 sh

II. Engineering Mathematics

MTH 231	Mathematical Reasoning	4 sh
MTH 311	Linear Algebra	4 sh
MTH 312	Abstract Algebra	4 sh
MTH 341	Probability Theory and Statistics	4 sh
MTH 415	Numerical Analysis	4 sh
CSC 230	Algorithm Development	4 sh
TOTAL		24 sh

III. Computer Science/Engineering

MTH 231	Mathematical Reasoning	4 sh
CSC 230	Algorithm Development	4 sh
CSC 331	Algorithm Analysis	4 sh
CSC 342	Computer Organization	4 sh
CSC 351	Theory of Computation	4 sh
CSC 441	Computer Architecture & Operating Systems	4 sh
TOTAL		24 sh

In addition, one senior level course in programming languages at another institution (if electrical or computer engineering). For another engineering degree, an additional 400-level CSC course is required.

EGR 101. INTRODUCTION TO ENGINEERING

1 sh

General information on engineering disciplines, common engineering practices, the engineering profession, engineering education, engineering design, engineering ethics and engineering opportunities will be provided by the instructor and/or invited speakers.

EGR 102. INTRODUCTION TO ENGINEERING DESIGN

1 sh

The design process, including creativity and invention will be discussed. The course will introduce the students to some of the quantitative tools engineers use in solving problems, such as middle classification,

optimization methods, and deterministic, probabilistic and economic models. Students will design and construct a term project that will be presented by teams of students.

EGR 206. ENGINEERING MECHANICS - STATICS

3 sh

This course is designed to introduce students to the effects of forces on bodies in static equilibrium and to familiarize them with mathematical techniques for finding reactive forces in bodies, frames, mechanics and trusses. Concepts covered include forces, moments, couples, equilibrium of rigid bodies, centroids, moments of inertia and friction resistance. Prerequisite: PHY 113. Corequisite: MTH 221.

EGR 208. ENGINEERING MECHANICS - DYNAMICS

3 sh

Kinematics and kinetics of particles in rectangular, cylindrical and curvilinear coordinate systems; energy and momentum methods for particles; kinetics of systems of particles; kinematics and kinetics of rigid bodies in two and three dimensions; motion relative to rotating coordinate systems. Prerequisites: EGR 206 and MTH 221. Corequisite: MTH 321.

response of circuits to pulse, step, and periodic inputs. Prerequisites: MTH 221 and PHY 114. Corequisite: EGR/PHY 212.

EGR 212. CIRCUIT ANALYSIS LAB

1 sh

This course involves laboratory application of concepts and principles discussed in EGR 211. Corequisite: EGR/PHY 211.

EGR 310. ENGINEERING THERMODYNAMICS

4 sh

Introduction to the concept of energy and the laws governing the transfers and transformations of energy. Emphasis on thermodynamic properties and First and Second Law analysis of systems and control volumes. Integration of these concepts into the analysis of basic power cycles is introduced. Prerequisites: MTH 321 and PHY 114.

EGR 211. CIRCUIT ANALYSIS

3 sh

This course is an introduction to the theory, analysis and design of electric circuits. Studies include circuit parameters and elements: voltage, current, power, energy, resistance, capacitance, inductance. Also included is the application of Kirchhoff's laws to simple and complex circuits and the study of the steady-state and transient

ENGLISH

Chair, Department of English: Associate Professor Mackay

Professors: Angyal, Blake, Bland, Gill, Lyday-Lee

Associate Professors: Boyd, Boyle, Braye, Cassebaum, Gordon, Haskell, Schwind, Warman

Assistant Professors: Chapman, King, Peebles, Strickland, Torke

The field of English is quite diverse. It involves the theoretical study of literature, language, and writing, as well as the practice of literary criticism and analysis, creative writing, and other kinds of writing.

The English department provides a balanced curriculum that includes all these elements. The department also offers a major in English with teacher licensure for those wishing to teach at the secondary level. Minors in literature and creative writing, along with an interdisciplinary minor in professional writing, are additional options.

A group of six core courses in literature, language study and writing beyond the freshman level ensures that English majors have experience in the three principal areas of the discipline. In addition to the common core, the English curriculum also encourages majors to follow their own talents and interests by requiring one of four distinct concentrations: literature, professional writing and rhetoric, creative writing, or English teacher licensure.

A NOTE ON THE GENERAL STUDIES LITERATURE COURSE REQUIREMENT

With the exception of film studies courses, English department courses in the 220-279 and 320-379 range normally fulfill the General Studies literature requirement in Liberal Studies.

English department courses in the 200-219 and 300-319 range (i.e., courses in language study, writing, and creative writing) do NOT normally fulfill that requirement.

A major in English requires 40–42 semester hours. The core requirements, above ENG 110, are:

An ENG 200-level literature course 4 sh

(English Teacher Licensure majors must take ENG 221, British Literature I or ENG 222, British Literature II. If British Literature II is chosen, English Teacher Licensure majors **MUST** take **EITHER** ENG 342, Shakespeare: The Tragedies **OR** ENG 343, Shakespeare: The Comedies, as their author course.)

An ENG 200-level or above writing course (ENG 210–219; 310–319) 4 sh
(English Teacher Licensure majors must take ENG 319, Writing Center Workshop.)

An ENG 200-level or above language course (ENG 200–209; 300–309) 4 sh
(English Teacher Licensure majors must take ENG 205, Grammar.)

Three ENG 300–400 level literature courses:

One historical studies course (ENG 320–329) 4 sh
(English Teacher Licensure majors who do **NOT** take ENG 331, Advanced World Literature, **MUST** take ENG 321, Classical Literature.)

One cultural studies course (ENG 330–339) 4 sh
(English Teacher Licensure majors who do **NOT** take ENG 321, Classical Literature, **MUST** take ENG 331, Advanced World Literature.)

One author course (ENG 340–349) 4 sh
(English Teacher Licensure majors **MUST** take ENG 342, Shakespeare: The Tragedies **OR** ENG 343, Shakespeare: The Comedies, if they do **NOT** take ENG 221, British Literature I.)

Students must also complete one of the following concentrations:

Literature Concentration

One additional historical studies course (ENG 320–329) 4 sh

Two additional 300–400 level English electives, at least
ONE of which must be literature. 8 sh

ENG 495, Senior Seminar 4 sh

TOTAL 40 sh

Professional Writing and Rhetoric Concentration

Two additional English writing or language study courses* 8 sh

Four hours chosen from 4 sh

ENG 204** Current Issues in Writing

ENG 304 Rhetorical Theory

ENG 319 Writing Center Workshop

ENG 495 Senior Seminar 4 sh

*Note: No more than 4 sh of Writing Internship (ENG 381) credit may be applied toward the writing concentration.

**Note: If ENG 204 is chosen, at least 4 sh of “additional writing or language study courses” must be at the 300–400 level.

TOTAL 40 sh

Teacher Licensure Concentration

ENG 302	History of the English Language	4 sh
ENG 223	American Literature I	4 sh or
ENG 224	American Literature II	4 sh
A 300-400 level literature elective		4 sh
JCM 210	Public Speaking	2 sh
ENG 495	Senior Seminar	4 sh
Set of Professional education courses		35 sh
TOTAL		77 sh

Creative Writing Concentration

Three creative writing courses 12 sh

Acceptable courses include: ENG 213, ENG 214, ENG 314,
ENG 315, ENG 316, ENG 317, THE 330, JCM 326.

Note: If students choose a creative writing course to meet the ENG 200-level writing requirement in the English major core, they will be required to take only 8 sh of further creative writing courses. They may then substitute one 4 sh English elective for the third Creative Writing course.

ENG 495	Senior Seminar	4 sh
TOTAL		40 sh

A minor in English requires the following courses above ENG 110.

Students may choose either a literature minor or one of the writing minors.

Literature Minor

ENG 250	Interpretations of Literature	4 sh
One ENG language course or one ENG writing course beyond English 110		4 sh
Three ENG literature courses, at least two of which should be at the 300-400 level		12 sh
TOTAL		20 sh

Writing Minors

The writing minors are tailored to meet students' career plans and interests. The minor consists of twenty hours. Of that twenty hours, at least twelve must be from performance courses. In performance courses, the fundamental objective is the development of students' writing abilities. Theory courses focus on the theoretical study of some aspect of language and language use rather than on actual writing practice.

Creative Writing Minor

Three or more of the following:		12-20 sh
ENG 213	Creative Writing	
ENG 214	Creative Writing: Poetry (Winter Term)	
ENG 315	Advanced Nonfiction Writing	
ENG 316	Advanced Creative Writing: Poetry	
ENG 317	Advanced Creative Writing: Fiction	

JCM 326 Feature Writing

THE 330 Playwriting

Zero to two of the following courses:

0-8 sh

Any English literature or foreign literature course beyond the general studies requirement

TOTAL**20 sh****Professional Writing Minor**

Please note: This is an Interdisciplinary Minor, jointly administered by the English Department and the Interdisciplinary Writing Committee. Questions should be referred to the Chair of the Interdisciplinary Writing Committee.

All students are encouraged to take part in shaping this minor themselves with their advisors.

Students may like to note that, if they are planning a career in the law, courses such as Philosophy 113, Critical Thinking, and English 304, Rhetorical Theory, will be particularly useful. Pre-law students should also work with advisors to arrange internships and practicums in law offices to gain further experience in the kinds of writing that will help them in their legal careers.

Three or more of the following "performance" courses:

12-20 sh

ENG 282 Writing Practicum

ENG 381 Writing Internship

JCM 227 Corporate Publishing

BUS 302 Business Communications

ENG 313 Writing for the Professions

Zero to two of the following "theory" courses:

0-8 sh

ENG 319 Writing Center Workshop

ENG 304 Rhetorical Theory

ENG 205 Grammar

PHL 113 Critical Thinking

TOTAL**20 sh****ENG 100. INTRODUCTION TO****COLLEGE WRITING**

4 sh

This is a writing workshop focusing on invention, organization, revision and editing skills. A grade of "C-" or better required for admission to ENG 110. Elective credit only. Offered fall.

ENG 106. ANALYTICAL READING

4 sh

Analytical reading is a course designed to help students understand, analyze and retain college level reading material. Elective credit only. Offered fall.

ENG 110. COLLEGE WRITING

4 sh

In this first-year course emphasizing

invention, peer response, revising and editing, students learn to develop and make assertions, support them with appropriate evidence, and present them in public form. Students also learn that the style and content of their writing will affect their success in influencing audiences. A grade of "C-" or better required for graduation. Offered fall and spring.

ENG 204. CURRENT ISSUES IN WRITING

4 sh

This course introduces writing as a field of study. Areas of study include writing as a process, writing as a form of thinking, gender and writing, writing and audience, and revising. Prerequisite: ENG 110.

ENG 205. GRAMMAR

4 sh

This study of the English language includes the evolution of prescriptive and descriptive grammars, terminology, parts of speech and function, grammatical structures, and correct usage of standard written English. Prerequisite: ENG 110. Offered fall.

ENG 210. WRITING WORKSHOP

4 sh

This course builds upon the objectives for English 110 (College Writing) and offers students the opportunity to devise their own writing projects. It provides a workshop setting for intensive practice in writing, response and revision, along with reading in the theory of writing and rhetoric. Prerequisite: ENG 110.

ENG 213. CREATIVE WRITING

4 sh

For this workshop, students interested in writing poems and short stories may be assigned additional texts for discussion of technique or form. Prerequisite: ENG 110. Offered fall and spring.

ENG 214. CREATIVE WRITING: POETRY READING/WRITING

4 sh

Along with readings of 20th century British, Irish and American poetry, students from all levels spend equal amounts of time discussing their own and others' poems. Study also includes reading quizzes, writing journals and poetry assignments. Prerequisite: ENG 110.

ENG 221. BRITISH LITERATURE I

4 sh

This study of British literature in its social and cultural contexts emphasizes the close reading of texts from the Anglo-Saxon, Medieval and Renaissance periods through the Enlightenment. Prerequisite: ENG 110. Offered fall and spring.

ENG 222. BRITISH LITERATURE II

4 sh

This study of British literature in its social and cultural contexts—from the Romantic, Victorian and Modernist periods through the present—emphasizes the close reading of texts representing the diversity of modern British literary expression. Prerequisite: ENG 110. Offered fall and spring.

ENG 223. AMERICAN LITERATURE I

4 sh

This study of American literature in its social and cultural contexts—from Colonial and Revolutionary periods through the Romantic period—emphasizes the close reading of texts to examine American literary culture from its origins to the post-Civil War era. Prerequisite: ENG110. Offered fall and spring.

ENG 224. AMERICAN LITERATURE II

4 sh

This study of American literature in its social and cultural contexts—from the post-Civil War era, Progressive and Modernist periods up to the present—involves close reading of selected texts to stress the expansion of the American literary canon. Prerequisite: ENG 110. Offered fall and spring.

ENG 231. INTRODUCTION TO WORLD LITERATURE

4 sh

This course provides an introduction to the study of selected works from European, Asian, African and Latin American literatures (in English translation) with emphasis on literary traditions and genres. Prerequisite: ENG 110. Offered spring of alternate years.

ENG 238. AFRICAN-AMERICAN LITERATURE PRE-1945

4 sh

This course traces the development of the themes of protest, accommodation and escapism found in fiction, poetry and drama of African-American writers before 1945. Prerequisite: ENG 110. Offered fall of alternate years.

ENG 239. AFRICAN-AMERICAN LITERATURE SINCE 1945

4 sh

An examination of works by major African-American writers since 1945 focuses on making connections between writers. Prerequisite: ENG 110. Offered spring of alternate years.

ENG 250. INTERPRETATIONS OF LITERATURE

4 sh

Interpretations of Literature employs different critical approaches to interpret and evaluate poetry, drama and fiction from a variety of cultures. Prerequisite: ENG 110. Offered fall and spring.

ENG 251. ENGLISH STUDIES IN BRITAIN 4 sh

A study-tour based in London emphasizes the theatre and places of literary and cultural importance. The course includes excursions to such places as Stratford-upon-Avon, Stonehenge and Canterbury. Winter term only. No credit toward English minor.

ENG 266. LITERATURE OF TERROR AND THE SUPERNATURAL 4 sh

A study of the elements of terror and the supernatural in selected literary works that are designed to inspire fear. Representative authors include Samuel Taylor Coleridge, Edgar Allan Poe, Henry James and Stephen King. Extensive use of videos. Offered in winter. Prerequisite: ENG 110.

ENG 282. PRACTICUM IN ENGLISH 1-3 sh

This course provides opportunities for students to observe and record different types of writing produced in an office or business. Prerequisite: ENG 110, permission of instructor and advance arrangement. No credit toward General Studies requirements.

LANGUAGE STUDY: GROUP I

This selection of courses centers on studies in the structure and historical development of the English language and in the theory of rhetoric and composition.

ENG 302. HISTORY OF THE ENGLISH LANGUAGE 4 sh

This study traces the historical development of the English language from its Indo-European origins to the present. Prerequisite: ENG 110. Offered fall.

ENG 303. LINGUISTICS 4 sh

Linguistics is the study of the systems of language, including the phonology, morphology, semantics and varieties (social and regional) of the English language. Prerequisite: ENG 110.

ENG 304. RHETORICAL THEORY 4 sh

In this study of the theories and philosophies underlying rhetoric and composition, ranging from classical rhetoric to contemporary composition theory, students become familiar with major rhetorical and

composition theorists, theories and the impact of these theories on writing and thinking. Theorists may include Aristotle, Quintilian, Ramus, Burke, Bakhtin, Shaughnessy and Kristeva. Prerequisite: ENG 110.

ENG 305. AMERICAN ENGLISH 4 sh

This course examines the development of American English — from the 16th-century influences of Jamestown and Massachusetts settlers to Creoles developing along the Mexican border and in Florida. Study includes regional and social varieties of English, phonetics and literature that employs dialects. Prerequisite: ENG 110.

ADVANCED WRITING: GROUP II

Courses in this group are specifically designed to provide practice in different kinds of writing beyond the introductory level.

ENG 313. WRITING FOR THE PROFESSIONS 4 sh

Students study professional writing through problem solving. Prerequisite: ENG 110.

ENG 315. ADVANCED NONFICTION WRITING (Selected Focus) 4 sh

In this writing workshop, students develop a specific aspect of writing ability (e.g., voice, stylistics) or practice a particular type of writing (e.g., essay, biography, travel writing). Focus changes each semester. Prerequisite: ENG 110. Offered spring of alternate years.

ENG 316. ADVANCED CREATIVE WRITING: POETRY 4 sh

This advanced workshop, centered around students' poems, also includes study of 20th century poetry (occasionally earlier) to learn poetic techniques and to recognize the many possibilities of poetic forms, subjects and voices. Prerequisite: ENG 213 or 214, or permission of instructor. Offered fall.

ENG 317. ADVANCED CREATIVE WRITING: FICTION 4 sh

This advanced workshop, centered around students' stories, also includes study of 20th

century fiction (occasionally earlier) to learn techniques and to recognize possibilities for point of view, characterization, structure and diction. Prerequisite: ENG 213 or 214, or permission of instructor. Offered spring.

ENG 319. WRITING CENTER WORKSHOP 4 sh

The Writing Center Workshop enhances students' writing ability while they learn to tutor writing. Students are required to tutor four hours each week in Elon's Writing Center. Strong writing abilities and interpersonal skills recommended. Prerequisite: ENG 110. Offered fall and spring.

HISTORICAL STUDIES: GROUP III

Courses in this group explore literature in historical, interdisciplinary and cross-cultural contexts.

ENG 321. CLASSICAL LITERATURE 4 sh

This study of ancient Greek and Roman literature and culture includes authors such as Homer, Plato, Sophocles, Ovid and Virgil, with readings from mythology, the great epics of the Trojan War, drama, philosophy and lyric in modern translations. Prerequisite: ENG 110. Offered fall of alternate years.

ENG 322. MEDIEVAL LITERATURE 4 sh

This study of literature and culture of the European Middle Ages includes authors such as Dante, Chretien de Troyes, Chaucer and Malory, with readings from modern translations of epics such as Beowulf or The Song of Roland, poetry about love or religious experience such as The Divine Comedy, or narratives about adventure and chivalry, such as legends of King Arthur. Prerequisite: ENG 110.

ENG 323. RENAISSANCE LITERATURE 4 sh

This study of British and Continental literature and culture of the 16th and early 17th centuries includes authors such as Sidney, Marlowe, Montaigne, Shakespeare and Cervantes. Readings in Renaissance English from Elizabethan and Jacobean drama, sonnet sequences, lyric and narrative

poems and precursors of the modern novel, such as *Don Quixote*. Prerequisite: ENG 110.

ENG 324. ENLIGHTENMENT 4 sh

This study focuses on the great works of British, Continental and American literature during an age of reason and sensibility marked by industrial, scientific and political revolutions. Prerequisite: ENG 110.

ENG 325. ROMANTICISM 4 sh

Romanticism provides an interdisciplinary study of British, American and Continental Romantic literature in the context of art, music (especially opera), cultural life and intellectual history. Prerequisite: ENG 110.

ENG 326. REALISM AND THE LATER 19TH CENTURY 4 sh

This study involves an interdisciplinary look at British, American and Continental literary movements (realism, naturalism, symbolism and aestheticism), including reading selected masterworks in the context of the intellectual and cultural life of the period. Prerequisite: ENG 110.

ENG 327. 17TH CENTURY LITERATURE 4 sh

This study of "The Century of Genius" includes works by British and Continental authors who ushered in the modern world. Prerequisite: ENG 110.

ENG 328. MODERNISM 4 sh

This interdisciplinary study of modernism as a dominant intellectual movement of the 20th century explores topics such as alienation, the artist's role, the primitive, consciousness and the unconscious, human rights and the post modern. The literature is supplemented by art, music and philosophical texts. Prerequisite: ENG 110.

CULTURAL STUDIES: GROUP IV

Courses in this group emphasize the study of literature in its cultural context, often from the perspective of a particular social group. Regional, gender, ethnic and class issues are all possible concentrations.

ENG 330. APPALACHIAN LITERATURE 4 sh

A survey of 19th and 20th century Appalachian poetry, short and long fiction, drama, music, film and culture. Prerequisite: ENG 110.

ENG 331. ADVANCED WORLD LITERATURE 4 sh

Advanced study of selected works of European, Asian, African and Latin American literatures (in English translation), from historical and cultural critical perspectives. Offered fall of alternate years. Prerequisite: ENG 110.

ENG 332. LITERATURE OF THE SOUTH 4 sh

Emphasis is given to major 20th century writers in this study of Southern literature, its background and themes. Prerequisite: ENG 110.

ENG 333. WOMEN IN LITERATURE: FEMINIST APPROACHES 4 sh

Women In Literature studies modern and traditional works of literature interpreted or reinterpreted from the perspective of feminist literary theories. Prerequisite: ENG 110.

ENG 334. NATIVE AMERICAN LITERATURE 4 sh

In an introduction to American Indian literature from the 18th century through the present, study includes special emphasis on contemporary writers of the Native American Renaissance. Prerequisite: ENG 110.

ENG 335. STUDIES IN CONTEMPORARY LITERATURE 4 sh

A study of contemporary literature includes such topics as the French anti-novel, absurdist drama, metafiction and "magic realism." Prerequisite: ENG 110.

ENG 336. HEMINGWAY AND THE EXPATRIATES 4 sh

A study of the life and work of expatriates in Paris immediately after World War I. Particular emphasis is given to Ernest Hemingway. Prerequisite: ENG 110.

ENG 337. ASIAN LITERATURE OF SOCIAL CHANGE 4 sh

This course explores revolutionary democratic movements outside of the

American tradition by studying 20th Century Asian poetry, fiction, and films, primarily of China and India. Offered irregularly. Prerequisite: ENG 110.

ENG 338. THE AFRICAN EXPERIENCE IN LITERATURE 4 sh

A study of the literature of a variety of African countries, in relation to Africa's cultural traditions and its transition to modernity. Genres may include fiction, plays, poems, autobiographies, and oral literature. Offered fall of alternate years. Prerequisite: ENG 110.

ENG 339. AMERICAN ENVIRONMENTAL WRITERS 4 sh

A study of the major American environmental and natural history writers, with close attention to issues of environmental ethics, aesthetics of nature, and cultural attitudes towards the environment. The authors include Thoreau, Muir, Leopold, Carson, Abbey, Lopez, Wilson, and Snyder. The course will emphasize the growing ethical and aesthetic appreciation of nature in American culture and how the insights of environmental writers can be used to address the environmental crisis. Offered spring of alternate years. Prerequisite: ENG 110.

AUTHOR COURSES: GROUP V

Courses in this group focus on the works of individual authors who have captured and continue to hold the imaginations of readers. Typical offerings include Hawthorne, Melville, Poe, Hardy, Dickinson, Cather and those listed below.

ENG 341. CHAUCER 4 sh

A close study of Chaucer's major works in the context of their medieval intellectual and cultural background includes the greater portion of *The Canterbury Tales*, the dream visions, and *Troilus and Criseyde*. Prerequisite: ENG 110.

ENG 342. SHAKESPEARE: THE TRAGEDIES 4 sh

This study of Shakespeare's tragedies

examines representative works within their intellectual, cultural and theatrical contexts. Prerequisite: ENG 110.

ENG 343. SHAKESPEARE: THE COMEDIES 4 sh

This study of Shakespeare's comedies examines representative works in their intellectual, cultural and theatrical contexts. Prerequisite: ENG 110.

ENG 344. ROBERT FROST 4 sh

This study of Frost's early development as a lyric poet focuses on the close reading of his poetry, criticism and masques in the context of New England regionalism and the emergence of Modernism in American letters. Prerequisite: ENG 110.

ENG 345. JANE AUSTEN 4 sh

Background study of 18th- and 19th-century England and the development of the novel are part of this examination of the life and writings of Austen. Prerequisite: ENG 110.

ENG 347. WILLIAM FAULKNER 4 sh

This study of the short stories, novels and screenplays of one of America's (and the South's) most inventive and brilliant writers includes readings from *As I Lay Dying*; *Go Down, Moses*; *Sanctuary*; *Absalom, Absalom!*; and *The Hamlet*. Prerequisite: ENG 110.

ENG 348. MARK TWAIN 4 sh

A study of the life and work of Mark Twain as an American humorist, realist, and social critic. Readings include *Roughing It*, *Innocents Abroad*, *The Gilded Age*, *Life on the Mississippi*, *Huckleberry Finn*, and *Pudd'nhead Wilson*, as well as selected shorter works and later writings. Prerequisite: ENG 110.

GENRE COURSES: GROUP VI

These courses offer studies in specific types of literature, such as poetry, drama, the novel, the essay and the short story. Courses in genre include "kinds" of literature which cut across the more traditional genre labels.

ENG 351. THE NOVEL 4 sh

Focus and content vary in this course, which examines representative novels from different countries and ages. Typical

emphases include the American, the British, the picaresque and the political novels and the Bildungsroman. This course sometimes carries an emphasis on gender. Prerequisite: ENG 110.

ENG 352. DRAMA 4 sh

In a study of western drama from ancient Greece to the present, representative texts are examined in their historical and cultural contexts. Prerequisite: ENG 110.

ENG 353. POETRY 4 sh

Examination of representative poetry from different cultures and ages includes at least one epic, shorter narratives, dramatic and lyric poetry. Each student selects one culture, historical period or type of poetry as the focus of an individual research project. Prerequisite: ENG 110.

ENG 354. THE SHORT STORY 4 sh

Study of the short story as a literary form spans from its origins and development by Poe, Chekhov and others to experimental contemporary writers. Typically, five or six collections by writers from a variety of cultures are read, with some attention to the problem of film adaptation. Prerequisite: ENG 110.

ENG 355. LAUGHTER AND COMEDY 4 sh

Students study the psychology of laughter and the philosophy of comedy. Prerequisite: ENG 110.

ENG 356. THE NOVEL: BRITISH WOMEN WRITERS 4 sh

This study of novels by past and present British women writers, using feminist literary theories, also covers the development of the novel as a form and the expression of women's experience in the 18th, 19th and 20th centuries. Prerequisite: ENG 110.

ENG 357. THE LONDON THEATRE 4 sh

Students see productions of Shakespearean and other classic dramas and experience more modern and contemporary plays — both fringe and mainstream — in this study of drama in the London Theatre. Prerequisite: ENG 110. Studies Abroad students only.

ENG 358. MODERN POETRY: BRITISH

AND AMERICAN

4 sh

This study of British and American poetry from the first half of the 20th century includes close readings of Yeats, Auden, Frost, Stevens, Williams, Moore, H. D., Eliot and Pound. The course also addresses cultural context and radical changes in poetic forms during this period. Each student completes an extensive project (research, original interpretation, written and oral presentation) on a Modern poet not studied in class. Prerequisite: ENG 110.

ENG 359. AFRICAN-AMERICAN NOVELS

4 sh

This study of novels by such writers as Baldwin, Ellison, Hurston, Walker, Wright and Morrison gives attention to gender, place, alienation and changes in forms of protest. This course satisfies the cultural studies (Group IV) requirement for English majors. Offered fall of alternating years. Prerequisite: ENG 110.

GROUP VII SENIOR SEMINAR

ENG 495. SENIOR SEMINAR

4 sh

This course provides a synthesis of studies in the major with additional work on theory. Students participate in assessment of their major work, write an independent paper and conduct a class session on their chosen topic. Required for all ENG majors in the senior fall semester. Prerequisite: majors only or permission of instructor. Offered fall.

SPECIAL TOPICS

Special Topics courses involve studies of various topics, some of which fall outside the boundaries of traditional literary study. In addition to the courses listed below, offerings may include Literature of the Supernatural, Literature of Nonviolence, Alternate Languages.

ENG 361. GENDER ISSUES IN CINEMA

4 sh

This course explores how well film reveals gender differences between men and women. Time is spent studying gender stereotyping, the psychological accuracy of film's representations of gender and

gendered behavior of film directors. This course does not fulfill the General Studies literature requirements. Prerequisite: ENG 110.

ENG 362. FILM CRITICISM

4 sh

Film Criticism emphasizes how to interpret cinema critically, using films that illustrate cultural differences, periods and types of filmmaking and achievements in techniques and ideas of the greatest directors. This course does not fulfill the General Studies literature requirement. Prerequisite: ENG 110. (ENG 362 is the same as JCM 362).

ENG 365. LITERATURE AND THEOLOGY

4 sh

Literature and Theology is an interdisciplinary study focusing on relationships between literary and theological disciplines with special attention to literature illustrating various approaches to religious questions. Prerequisite: ENG 110. (ENG 365 is the same as REL 365.)

ENG 367. THE ARTHURIAN LEGEND

4 sh

Course study traces the development of stories of King Arthur and the Round Table from their appearance in the early Middle Ages through the present. Genres include chronicle, poetry, fiction and cinema. Prerequisite: ENG 110.

ENG 381. WRITING INTERNSHIP

1-4 sh

Students have an opportunity to apply their writing skills in a business office. By permission of instructor. No credit toward General Studies requirements.

ENG 382. INTERNSHIP IN TEACHING LITERATURE

4 sh

The student will attend a 200-level English department literature course not previously taken and will work with the professor teaching the course to develop journal prompts and quiz or discussion questions, as well as leading some class and small-group discussions. The student will also meet with the professor once a week to discuss strategies for planning the course, selection of texts, the structure of daily class sessions, and the pedagogical techniques used in the course. English majors only. By permission of instructor.

ENG 398. CHILDREN'S LITERATURE 4 sh

Children's literature examines the fields of children's and folk literature to discover material which satisfies educational requirements for children in elementary grades. No credit toward English major/minor. Prerequisites: EDU 211, ENG 110.

ENG 399. YOUNG ADULT LITERATURE 4 sh

In this study of contemporary literature for young adult readers, students read texts appropriate to the adolescent, examine

common themes, and apply critical approaches suitable for middle grades and secondary classrooms. Authors may include Judy Blume, Robert Cormier, S. E. Hinton, Madeleine L'Engle, Gary Paulsen, Katherine Patterson and Cynthia Voigt. Credit toward English teacher licensure. No credit toward English major/minor. Prerequisites: EDU 211, ENG 110.

ENG 491. INDEPENDENT STUDY

1-4 sh

144

ENVIRONMENTAL STUDIES

Coordinator: Assistant Professor MacFall

Program Faculty: Professors: Angyal, C. Brumbaugh, Chase, F. Harris

Associate Professors: Arcaro, Gooch, Redington, Weston

Assistant Professor: Glaesel, Haenel, Kingston

Elon College offers a B.S. in environmental studies, taught from an interdisciplinary approach. All students in the program take a well-balanced core of classes, encompassing the sciences, humanities, economics, law and public policy. Courses in the program are designed for students to consider environmental issues from many perspectives. They encourage students to balance human need and desire with the consequences of human impact on the earth. Concepts are presented at many scales, from the local to the global communities. In addition to traditional courses, students are required to participate in an internship experience. The program culminates in a capstone Senior Seminar, in which students are challenged with doing an environmental impact statement for a local or regionally proposed project.

The program—purposeful and well-balanced with a strong core—enables students to focus their personal preferences through upper-level courses emphasizing policy or field investigation. However, the curriculum concentrates on the essential scientific knowledge needed to create realistic solutions to environmental problems.

The goals of the environmental studies program are to: (1) provide students with a broad interdisciplinary foundation for understanding natural resources issues; (2) develop students' understanding of economic activities and their role in natural resources management and the decision-making process regarding environmental issues; (3) enhance students' decision-making capabilities in the area of environmental conservation and citizen advocacy for balance between economic development and environmental protection; (4) build students' knowledge of the basic scientific concepts that govern the operation of natural ecosystems; (5) adequately prepare students for employment in responsible professional positions in environmental policy and environmental risk assessment in the public and private sectors; and (6) prepare students for successful tenures in graduate school programs in environmental policy and science curricula.

Center for Environmental Studies. A center has been established focusing on community outreach opportunities for students and faculty. Colleagues outside of Elon are working with students and faculty in many areas related to environmental issues, providing research and internship partnerships. These partnerships provide "real world" problem solving opportunities to students, enhancing their professional development.

A Bachelor of Science degree with a major in Environmental Studies requires the following:

PHY 110	Energy and the Environment	4 sh
ENS 111	Introduction to Environmental Science	4 sh
BIO 112	Introduction to Population Biology	3 sh
BIO 114	Population Biology Lab	1 sh
ENS 215	Organismal Biology and Field Techniques	4 sh
BIO 452	General Ecology	4 sh
CHM 111	General Chemistry I	3 sh
CHM 112	General Chemistry II	3 sh
CHM 113	General Chemistry I Lab	1 sh
CHM 114	General Chemistry II Lab	1 sh
ECO 201	Principles of Economics	4 sh
POL 111	Introduction to American Government	4 sh
ENS 381	Internship	2 sh
ENS 461	Senior Seminar	4 sh
Choose one course from the following:		4 sh
PHL 348	Environmental Ethics	
REL 348	Environmental Ethics	
ENG 339	American Environmental Writers	
Choose one course from the following:		4 sh
MTH 114	Elementary Statistics	
ECO 202	Statistics for Economics and Business	

TOTAL	50 sh
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Select one of the following two concentrations:

Science Concentration

CHM 211	Organic Chemistry I	3 sh
CHM 213	Organic Chemistry I Lab	1 sh
CHM 305	Environmental Chemistry	4 sh
PHY 103	Basic Concepts in Geology	4 sh
Choose one course from the following:		4 sh
BIO 422	Aquatic Biology	
CHM 311	Quantitative Analysis	

TOTAL	16 sh
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Policy Concentration

POL 328	Public Policy	4 sh
ECO 335	Economics of Environmental Issues	4 sh
POL 428	Environmental Politics & Legislation	4 sh
Choose one course from the following:		4 sh
SOC 332	Contemporary Environmental Issues	
POL 431	Policy Analysis & Program Evaluation	

TOTAL	16 sh
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ENS 111. INTRODUCTION TO ENVIRONMENTAL SCIENCE 4 sh

This course explores the fundamental principles of the biological and physical sciences behind natural ecosystems. Central focus is the study of ecosystem function, human impact and techniques of environmental assessments. Students consider different world views and the development of solutions. Satisfies the laboratory science requirement for General Studies. Three class hours and one laboratory per week. Offered fall and spring.

ENS 215. ORGANISMAL BIOLOGY AND FIELD TECHNIQUES 4 sh

This course examines the basic concepts of plant and animal form and function and the fundamentals of plant and animal systematics, with a focus on herbaceous and woody plants, soil and aquatic invertebrates. Students investigate the natural history of local plant and animal species and their role in community dynamics. Laboratory experiences emphasize keying and identification, field methodologies of specimen collection and preservation, sampling techniques, and population estimation procedures for terrestrial and aquatic ecosystems. Satisfies the General Studies lab science requirement. Prerequisites: ENS/BIO 111, BIO 112, 114. (ENS 215 is the same course as BIO 215.) Offered fall.

ENS 310. ENVIRONMENTAL ISSUES IN SOUTHEAST ASIA 4 sh

This course focuses on the environmental issues facing the island nations and the mainland countries of Southeast Asia. The major environmental problems in this

region of the world include deforestation, soil erosion, habitat destruction, habitat fragmentation, water pollution from mineral extraction and industry, unsustainable harvesting practices, and rising rates of disease. These issues will be examined in the context of climate, topography, vegetation, societal evolution, and human history. Emphasis will be placed on the demographic, cultural, political, religious, economic, and ecological reasons for the current state of the environment of Southeast Asia. Practical solutions to reduce environmental degradation and promote sustainable development will be examined. This course cannot be used to satisfy a science requirement. Offered alternate years.

ENS 381. INTERNSHIP IN ENVIRONMENTAL SCIENCE 2 - 4 sh

An internship provides work experience at an advanced level in an environmental science field. Prerequisite: junior/senior standing as an ENS major. Offered fall, winter, spring or summer.

ENS 461. SEMINAR: ENVIRONMENTAL IMPACT ASSESSMENT AND POLICY DEVELOPMENT 4 sh

Students cooperate in a semester-long project, conducting a complete field investigation of a land/water development proposal. The course provides an opportunity for the students to apply their knowledge, analytical and problem-solving skills and ethical perspectives in the creation of a report that could be used by a municipal or regional planning organization. Prerequisite: senior standing as an ENS major. Offered spring.

FINE ARTS

Chair, Department of Visual Arts: Assistant Professor Simpkins

Associate Professor: Erdmann

Assistant Professors: Becherer, Hassell, Rubeck, Wellford

FNA 101. INTRODUCTION TO THEATRE 4 sh

Students explore the nature of theatre, how it is created and how it functions in society.

Primary study covers the diversity of the art form, basic terminology and the event/audience relationship. Performance reaction

papers, creative projects and lab hours are required. Offered fall or spring. (FNA 101 is the same course as THE 101.)

FNA 211. INTRODUCTION TO FINE ARTS 4 sh

This comparative study of the major artistic forms involves readings, exhibitions, cultural events, lectures and workshops with visiting artists, through which students discover works of art, their uses, purposes and aesthetic values. Offered fall and spring.

FNA 251. FINE ARTS STUDIES IN ENGLAND 4 sh

A study-tour of London emphasizes theatres, concerts and places of cultural importance. Winter only.

FNA 313. BRITISH ART AND ARCHITECTURE

4 sh

Field trips to museums and historically relevant sites complement classroom study of the art and architecture of England from the Anglo-Saxon and Roman periods to the 19th century. Offered fall and spring.

FNA 369. FINE ARTS IN THE PUBLIC SCHOOLS

4 sh

Early childhood and elementary education majors become familiar with current approaches to teaching the arts, with emphasis placed on incorporating the arts into daily instruction. Prerequisites: junior standing, acceptance to the teacher education program and PSY 321. Materials fee: \$20.

147

FOREIGN LANGUAGES

Chair, Department of Foreign Languages: Assistant Professor Stroszeck

Associate Professors: Lunsford, Romer

Assistant Professors: Perez de Leon, Sumiyoshi

Students preparing for the twenty-first century will encounter a global economy and a world shrinking due to advances in communication technology. Thus, the study of foreign languages is more essential than ever.

The Department of Foreign Languages offers courses in seven languages and programs leading to the Bachelor of Arts degree with a major in French or in Spanish. The student majoring in French or Spanish may also choose to complete the program leading to teacher licensure.

In the French and Spanish programs, the course offerings are balanced between literary, cultural, and linguistic study. Emphasis is put on practical use of the language, and classroom learning is enhanced by video and computer technology and study abroad opportunities.

A major in French requires the following courses:

FRE 321	Conversation	4 sh
FRE 322	Written and Oral Expression in French	4 sh
FRE 331	Introduction to French Literature I	4 sh
FRE 332	Introduction to French Literature II	4 sh
FRE 341	Francophone Literature	4 sh
FRE 361	French Civilization	4 sh
FRE 362	Francophone Cultures Outside France	4 sh
FRE 401	French Linguistics	4 sh
Two additional electives above the 310 level		8 sh

TOTAL
40 sh

Study abroad is strongly recommended. Credits earned in an approved study abroad program will substitute for requirements for the major.

A minor in French requires 20 hours, eight of which must be above the 310 level. A winter term abroad is encouraged.

A major in Spanish requires the following courses:

Language Courses:

Choose at least one of the following: 4 sh

SPN 421 Advanced Spanish Grammar

SPN 451 Spanish Phonetics

SPN 371 Special Topics

Conversation/Composition Courses:

Choose at least one of the following: 4 sh

SPN 321 Conversation

SPN 322 Written and Oral Expression

SPN 371 Special Topics

Culture Courses:

Choose at least two of the following: 8 sh

SPN 361 Spanish Civilization

SPN 362 Latin American Civilization

SPN 371 Special Topics

Literature Courses:

Choose at least two of the following: 8 sh

SPN 331 Spanish Literature I

SPN 332 Spanish Literature II

SPN 341 Latin American Literature I

SPN 342 Latin American Literature II

SPN 371 Special Topics

Elective Courses: 16 Sh

You may complete a 40-hour major by taking any Spanish courses above the 310 level, chosen from the categories above, or taken during study-abroad programs in Spain or Latin America.

TOTAL 40 sh

Study abroad is strongly recommended. Credits earned in an approved study abroad program will substitute for requirements for the major.

A minor in Spanish requires 20 hours, eight of which must be above the 310 level. A winter term abroad is encouraged.

A major in French or Spanish with Teacher Licensure, K-12, requires the above 40 semester hours including SPN 421 and SPN 451, plus 35 semester hours professional studies courses in Education and Psychology.

CHINESE**CHN 110. ELEMENTARY CHINESE** 4 sh

An introduction to Chinese language and culture, this course assumes no prior knowledge. Practical, conversational usage of the language is stressed as is study of the culture of China. Offered Fall. No prerequisite.

CHN 210. INTERMEDIATE CHINESE 4 sh

This course is designed for students with some prior knowledge of the language and serves as a systematic review within a cultural context. Practical, conversational usage of the language is stressed as is the culture of China. Offered Spring. Prerequisite: CHN 110, 3 years of high school Chinese, or permission of the instructor.

CHN 310. ADVANCED CHINESE 4 sh

This course is designed for students who have mastered the basic concepts of the language. Speaking skills and character writing within a cultural context are further developed. Prerequisite: Chinese 210, 4 years of high school Chinese, or permission of the instructor.

FRENCH**FRE 110. ELEMENTARY FRENCH** 4 sh

An introduction to French language and culture, this course assumes no prior knowledge. Practical, conversational usage of the language is stressed, as is study of the culture of the French-speaking countries. Offered fall and Spring. No prerequisite.

FRE 210. INTERMEDIATE FRENCH 4 sh

This course, designed for students with some prior knowledge of the language, is a systematic review within a cultural context. Practical, conversational usage of the language is stressed, as is study of the culture of the French-speaking countries. Offered Fall and Spring. Prerequisite: FRE 110 or 2 years of high school French.

FRE 310. ADVANCED INTERMEDIATE FRENCH 4 sh

This course is designed for students who have mastered the basic concepts of the language. Structures such as compound

tenses and the subjunctive are studied within the context of the culture of the French-speaking countries. Prerequisite: FRE 210 or 3 or more years of high school French.

FRE 321. CONVERSATION 4 sh

Conversational study develops abilities in everyday spoken communication with emphasis on building vocabulary and speaking proficiency. Prerequisite: FRE 310 or 4+ years of high school French or permission of instructor. Offered every third year.

FRE 322. WRITTEN AND ORAL EXPRESSION IN FRENCH 4 sh

Intensive practice in oral and written expression focuses on refinements in structure, conversation and writing for specific purposes. Prerequisite: FRE 310 or permission of instructor. Offered every third year.

FRE 331. INTRODUCTION TO FRENCH LITERATURE I 4 sh

Major texts of literature of France from the Middle Ages through the 18th century are taught in their historical, social and cultural context. Prerequisite: FRE 310 or permission of instructor. Offered every third year.

FRE 332. INTRODUCTION TO FRENCH LITERATURE II 4 sh

Major French literary texts (since the time of Napoleon) are taught in their historical, social and cultural context. Prerequisite: FRE 310 or permission of instructor. Offered every third year.

FRE 341. FRANCOPHONE LITERATURE 4 sh

This study covers the major texts of French expression from Africa, the Antilles and Canada. Prerequisite: FRE 310 or permission of instructor. Offered every third year.

FRE 361. FRENCH CIVILIZATION 4 sh

Study of the history, geography, people and institutions of France from prehistoric times to the present emphasizes France's many contributions to Western civilization. Prerequisite: FRE 310 or permission of instructor. Offered every third year.

FRE 362. FRANCOPHONE CULTURES OUTSIDE FRANCE 4 sh

This course studies regional cultures around the world influenced by France, notably Africa, the Antilles and Canada. Prerequisite: FRE 310 or permission of instructor. Offered every third year.

FRE 371-379. SPECIAL TOPICS 4 sh

Topics may include advanced study of cinema, selected literary authors, periods, genres or regions. Prerequisite: FRE 310 or permission of instructor.

FRE 401. FRENCH LINGUISTICS 4 sh

Practice in phonetic transcriptions and sound discrimination is part of this study of the French language system, including phonology, morphology and semantics. Prerequisite: FRE 310 or permission of instructor. Offered every third year.

FRE 481. INTERNSHIP 1-4 sh

Work experience at advanced level using French language skills. Project must be approved by the department. For majors/minors only.

FRE 491. INDEPENDENT STUDY 2-4 sh**GERMAN****GER 110. ELEMENTARY GERMAN** 4 sh

An introduction to German language and culture, this course assumes no prior knowledge. Practical, conversational usage of the language is stressed, as is study of the culture of the German-speaking countries. Offered Fall. No prerequisite.

GER 210. INTERMEDIATE GERMAN 4 sh

This course, designed for students with some prior knowledge of the language, is a systematic review within a cultural context. Practical, conversational usage of the language is stressed, as is study of the culture of the German-speaking countries. Offered Spring. Prerequisite: GER 110 or 2 years of high school German.

GER 310. ADVANCED INTERMEDIATE GERMAN 4 sh

The advanced course is designed to further

develop speaking and writing skills in a cultural context. Prerequisite: GER 210 or 3+ years of high school German.

GREEK**GRK 110. ELEMENTARY GREEK** 4 sh

This intensive study covers Hellenistic Greek grammar and vocabulary.

GRK 210. INTERMEDIATE GREEK 4 sh

Intermediate study includes readings in Greek from the First Letter of John and the Gospel of Mark in the Greek New Testament to improve grammar and vocabulary.

GRK 310. ADVANCED GREEK 4 sh

Readings include the letters of Paul in the Greek New Testament to reach advanced levels of grammar and vocabulary.

JAPANESE**JPN 110. ELEMENTARY JAPANESE** 4 sh

An introduction to the Japanese language and culture, this course assumes no prior knowledge. Practical, conversational usage of the language is stressed as is a study of the culture of Japan. Japanese syllabaries (Hiragana and Katakana) and some Kanji (Chinese characters) are also taught as introduced in the cultural readings. Offered Fall. No prerequisite.

JPN 210. INTERMEDIATE JAPANESE 4 sh

This course is designed for students with some prior knowledge of the language and serves as a systematic review within a cultural context. Linguistic elements of the language are introduced with practical, conversational usage of the language stressed. More Kanji characters are taught to help develop reading and writing skills. Offered Spring. Prerequisite: JPN 110, 3 years of high school Japanese, or permission of the instructor.

JPN 310. ADVANCED INTERMEDIATE JAPANESE 4 sh

This course is designed for students who have mastered some basic concepts of the

language. Advanced linguistic skills are introduced with concepts to help develop oral communication within a cultural context. Kanji characters are continually introduced to enhance advanced reading and writing skills. Prerequisite: Japanese 210, 4 or more years of high school Japanese, or permission of the instructor.

SPANISH

SPN 110. ELEMENTARY SPANISH 4 sh

An introduction to Spanish language, this course assumes no prior knowledge. Practical, conversational usage of the language is stressed, as is study of the culture of the Spanish-speaking countries. Offered fall and spring. No prerequisite.

SPN 210. INTERMEDIATE SPANISH 4 sh

This course, designed for students with some prior knowledge of the language, is a systematic review within a cultural context. Practical, conversational usage of the language is stressed, as is study of the culture of the Spanish-speaking countries. Prerequisite: SPN 110 or 2 years of high school Spanish. Offered fall and spring.

SPN 310. ADVANCED INTERMEDIATE SPANISH 4 sh

This course is designed for students who have mastered the basic concepts of the language. Structures such as compound tenses and the subjunctive are studied within the context of the culture of the Spanish-speaking countries. Prerequisite: SPN 210 or 3+ years of high school Spanish.

SPN 321. CONVERSATION 4 sh

Conversational Spanish involves intensive practice in everyday communication situations with emphasis on vocabulary and speaking proficiency. Prerequisite: SPN 310 or permission of instructor. Offered every third year.

SPN 322. WRITTEN AND ORAL EXPRESSION IN SPANISH 4 sh

Intensive practice in oral and written expression focuses on refinements in

structure, conversation and writing for specific purposes. Prerequisite: SPN 310 or permission of instructor. Offered every third year.

SPN 331. SPANISH LITERATURE I 4 sh

Study surveys the development of Spanish literature from its beginnings in the Middle Ages through the Renaissance and the Golden Age. Prerequisite: SPN 310 or permission of instructor. Offered every third year.

SPN 332. SPANISH LITERATURE II 4 sh

Study continues a survey of Spanish literature during the 18th, 19th and 20th centuries. Prerequisite: SPN 310 or permission of instructor. Offered every third year.

SPN 341. LATIN AMERICAN LITERATURE I: DISCOVERY, CONQUEST, COLONIAL ERA AND INDEPENDENCE 4 sh

This survey course introduces students to the literature of the Spanish-speaking nations of Latin America from the 15th century through the 19th century. Emphasis is on the 300-year period when the Latin American nations were colonies of Spain, and on the 19th century, when these nations freed themselves from Spanish rule, but were still under the literary influence of the mother country. Prerequisite: SPN 310 or permission of instructor.

SPN 342. LATIN AMERICAN LITERATURE II: FROM MODERNISM TO MAGIC REALISM 4 sh

This survey course introduces students to the rich literature of Latin America in the 20th century. Emphasis is placed on the Modernist movement, major women writers, Pablo Neruda and other Nobel Prize winners, and the Magic Realism movement. Prerequisite: SPN 310 or permission of instructor.

SPN 361. SPANISH CIVILIZATION 4 sh

A study of the history, geography and people of Spain—from prehistoric times to the present—emphasizes Spain's many contributions to Western civilization. Prerequisite: SPN 310 or permission of instructor. Offered every third year.

SPN 362. LATIN AMERICAN CIVILIZATION 4 sh

This course examines Latin American geography, history, art, architecture, music, government, economy, ethnicity, languages and culture, including a study of each country. Prerequisite: SPN 310 or permission of instructor. Offered every third year.

SPN 371-379. SPECIAL TOPICS 4 sh

Topics may include advanced study of language, cinema, selected literary authors, periods, genres or regions. Prerequisite: SPN 310 or permission of instructor.

SPN 421. ADVANCED GRAMMAR 4 sh

This course is an intensive study of those points of Spanish grammar that tend to cause the most problems for learners of the language. Particular attention will be given to the two past tenses (preterit and imperfect); *ser* versus *estar*, and the subjunctive. This course explores why Spanish functions differently from English, and then gives students intensive practice in applying the principles that they have learned. Composition, translation and oral practice

will all be used to achieve increased grammatical accuracy. Prerequisite: SPN 310 or permission of instructor.

SPN 451. PHONETICS 4 sh

A course designed to give students an in-depth understanding of the phonetic system of the Spanish language, and to perfect the student's pronunciation. Students will learn how sounds are produced and will learn to imitate native speakers accurately through a variety of classroom exercises, recordings and videos. Through phonetic transcription and listening exercises, students will learn to hear accurately and to distinguish between similar sounds. Students will also study with wide phonetic variations that occur within the Spanish-speaking world. Prerequisite: SPN 310 or permission of instructor.

SPN 481. INTERNSHIP 1-4 sh

Work experience at advanced level using Spanish language skills. Project must be approved by the department. For majors/minors only.

SPN 491. INDEPENDENT STUDY 2-4 sh

GENERAL STUDIES

The General Studies program gives breadth as well as depth to a college education. It provides students with opportunities to see the broad view of human civilization, experience great ideas and art, and learn the science and math skills that no contemporary leader or individual thinker can be without.

Through training in writing and other communication skills as well as in learning to work independently, to think critically and constructively, to handle quantitative data, to respect cultures world wide, and to develop habits of responsible leadership, this program develops the whole person. It is a major focus of a college career from beginning to end — challenging students, preparing them for both leadership and independent thought, and, most of all, deepening and enriching their lives.

GST 110. THE GLOBAL EXPERIENCE 4 sh

This first-year seminar examines public responsibility in a global context. It explores some of the implications created by cultural and natural diversity and the possibilities for human communication and cooperation within this diversity. The course emphasizes student and faculty creativity through active and collaborative learning. The seminar is writing intensive. Limited to first-year students. Offered fall and spring.

GST300-499. ADVANCED INTERDISCIPLINARY SEMINARS

These seminars are the capstone of the General Studies Program. Students work with faculty to examine an issue or topic from multiple viewpoints. The subjects of these seminars are chosen by individual faculty members, and vary from semester to semester. More than 25 different topics are offered each academic year. The diverse topics reflect the expertise and

interests of faculty from across the campus, and allow students a wide range of choices. These courses require advanced critical thinking skills: students must weigh multiple opinions, evaluate theoretical and ethical positions, and define and defend their own personal standpoints. Taken in the junior or senior year, these seminars are writing intensive, requiring students to write frequently and in a variety of ways. Prerequisite: successful completion of writing competency.

ELECTED RECENT SEMINARS.

These topics may, or may not, be offered in the future.

ST 305. LAUGHTER AND COMEDY 4 sh

A study of the psychology of laughter and the philosophy of comedy. The course examines humor in everyday life, comics, films and literature. It explores both why we laugh and what a comic view of life is.

ST 326. HUMAN SEXUALITY 4 sh

Students will engage in a comprehensive study of biological and psychological sexuality throughout the human life cycle. This includes anatomy, physiology, contraception, pregnancy, childbirth, sexually transmitted diseases, gender roles, intimate relationships, parenting and deviant sexual behavior.

ST 329. NEW SCIENTIFIC THEORIES: CHAOS AND COMPLEXITY 4 sh

Important scientific ideas can re-shape the social-cultural landscape by creating new ways to perceive and talk about the world. Several new scientific theories—including chaos theory, complexity theory and the notions of self-organization and emergence—are causing re-examination of classical rationalist, scientific method. These theories dovetail with current re-examinations of contemporary culture. The course examines the elements of these new theories that have broader impact both as concepts and as metaphors, and explores their implication for a number of areas of contemporary culture.

ST 341. GOD AND POLITICS 4 sh

Two of the most powerful forces in culture

and society are religion and politics. This course will examine the history and social dynamic in religion and its impact on the life of humankind. Students will read a variety of texts from various disciplines that address such issues as how one understands the appeal to a "Christian nation," how one interprets the psychological forces of coercion that exist in the appeal to the absolute, and why religious perspectives even have importance.

GST 361. THE BUSINESS OF NASCAR 4 sh

This course is a study of the marketing, management and economic aspects of NASCAR racing as a present day phenomenon. Through this course, students come to understand racing as a sport, as sporting entertainment, and as a business. Visits will be made to several sites which are related to the study of NASCAR.

GST 384. THE KENNEDY ASSASSINATION AND FILM 4 sh

This course will explore the details of the assassination of President John F. Kennedy and the way it has been presented in film. Special emphasis will be placed on the study of the assassination as a film genre and any residual effects on the world of motion pictures.

EXPERIENTIAL LEARNING 1 unit

The Experiential Learning Requirement asks students to practice close observation of the world around them and to reflect insightfully on those observations. Exposure to diversity helps students see the interrelationships between academic studies and other experiences. The requirement may be met in one of four ways: 1) in field-based courses like internships, study abroad, practicums, co-ops and student teaching; 2) through 40 hours of service or volunteer activities; 3) through a leadership role; and 4) through a different activity that will allow the student to observe and reflect on his or her experience.

GEOGRAPHY

Coordinator: Assistant Professor Glaesel

Adjunct Instructors: Harris, Martin

A minor in Geography requires the following courses:

GEO 121	Earth Science	4 sh
GEO 131	The World's Regions	4 sh
One course from		4 sh
ENS 110	Introduction to Environmental Science	
PHY 103	Introduction to Geology	
POL 241	International Relations	
Eight semester hours of GEO elective at 300-400 level		8 sh
TOTAL		20 sh

GEO 121. INTRODUCTION TO PHYSICAL GEOGRAPHY

4 sh

Students will examine the processes which control the spatial distribution of climate, vegetation, soils and landforms. Topics include earth-sun geometry, global energy balance, hydrology, tectonics, weathering and mass wasting, climatic classification and climatographs, arid land, coastal and fluvial geomorphology. Focus will be on the Earth as the home of humans and the impact of humans on their environments.

GEO 131. THE WORLD'S REGIONS

4 sh

This survey of the regions of the world emphasizes place names and environmental and human characteristics which provide both the common traits and the distinctive characteristics of different places. Students analyze change, problems, potentials and alternative futures and use traditional and electronic data sources, atlases and methods of data presentation. Offered fall and spring.

GEO 311. GEOGRAPHY OF NORTH AMERICA

4 sh

In studying the United States, Canada and Mexico, students focus on place names, regional differences in environmental and

human characteristics, print and electronic atlases and information sources and mapping methods for spatial data. Offered every other year.

GEO 321. GEOGRAPHY OF EUROPE

4 sh

Study of Europe, including the European CIS countries, emphasizes place names, regional variation in environmental and human characteristics, print and electronic atlases and information sources and mapping methods for spatial data. Offered every other year.

GEO 331. GEOGRAPHY OF NORTH CAROLINA

4 sh

In studying North Carolina and its regions, students concentrate on place names, regional variation in environmental and human characteristics, print and electronic atlases and information sources and mapping methods for spatial data. Offered every other year.

GEO 481. INTERNSHIP IN GEOGRAPHY

1-4 sh

Internship is limited to 4 semester hours credit toward geography minor. Prerequisite: GEO 121, 131 and permission of instructor.

GEO 491. INDEPENDENT STUDY

1-4 sh

HEALTH EDUCATION

Chair, Department of Health Promotion, Leisure and Human Performance: Professor Calhoun

Professors: Beedle, J.P. Brown

Associate Professors: Drummond, Farmer

Assistant Professors: Baker, Binkley, Davis, Leonard, Miller, Paul, Simons, Walch

Instructors: Apke, Haskins, Kennedy, Pharr, Reilly, Travathan, Webster, Welch

The Department of Health Promotion, Leisure and Human Performance offers majors in Health Education, Leisure/Sport Management, Physical Education and Sports Medicine: Exercise Sports Science and Sports Medicine: Athletic Training.

The Health Education curriculum is designed to prepare teachers of health and safety education (kindergarten through senior high school) in both public and private school systems. The program of study incorporates school goals and objectives for establishing and maintaining quality health education programs that are planned, comprehensive, personalized, practical, sequential and oriented toward mental, social and physical well-being.

This is accomplished through a wide range of specialized theory courses and many opportunities to apply, evaluate and refine necessary skills in laboratory settings. Studies in health education explore ways to educate students and the public about contemporary health issues such as personal safety, nutrition, substance abuse, disease prevention and human sexuality.

A major in Health Education requires the following courses:

HED 220	First Aid	1 sh
HED 321	Health Services and Consumerism	4 sh
HED 324	Nutrition	4 sh
HED 325	Substance Abuse and Human Behavior	4 sh
HED 326	Human Sexuality	4 sh
HED 421	Health of the Body Systems	4 sh
PED 305	Legal Aspects in HPEL	2 sh
PED 411	Measurement and Evaluation	4 sh
BIO 161	Human Anatomy	4 sh
BIO 162	Human Physiology	4 sh
EDU 427	Materials and Methods of Teaching Health and Safety	4 sh

Completion of Teacher Licensure requirements

TOTAL **39 sh**

Students must take the professional studies requirements listed for Special Subjects areas (K-12) in the Department of Education.

Physical Education endorsement (*for students with teacher certification*) requires the following courses:

EDU 423	Materials and Methods of Teaching Physical Education	4 sh
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Sixteen additional hours chosen from the following courses: 16 sh

PED 211 History/Foundations of Sport/Physical Education (4 sh)

PED 310 Motor Learning Theory for Teaching and Coaching (4 sh)

PED 321	Kinesiology (4 sh)
PED 341	Theory of Coaching (2 sh)
PED 360	Elementary Physical Education (K-6) (4 sh)
PED 410	Organization and Administration (4 sh)
PED 423	Physical Education for the Exceptional Child (2 sh)
PED 125	Skills and Activities for Teaching (3 sh)
SPM 422	Physiology of Exercise (4 sh)

TOTAL	20 sh
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A minor in Health Education requires the following courses:

HED 321	Health Services and Consumerism	4 sh
HED 324	Nutrition	4 sh
HED 325	Substance Abuse and Human Behavior	4 sh
HED 326	Human Sexuality	4 sh

Four semester hours chosen from additional courses required for the Health Education major.

TOTAL	20 sh
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HED 110. WELLNESS 3 sh

Students study the components of a lifestyle of wholeness and well-being and develop a lifelong personal wellness program based on the physiological and psychological principles of wellness/fitness and personal decision-making. Offered fall, winter, spring and summer.

HED 220. FIRST AID 1 sh

This is a course which provides a background in first aid and CPR principles, procedures and skills emphasized in the latest American Red Cross courses. Consideration is given to personal and community safety in everyday living. Special fee: \$13.00.

HED 321. HEALTH SERVICES AND CONSUMERISM 4 sh

This introduction to comprehensive health education emphasizes health trends, objectives, products, services and factors that influence personal choice in the health marketplace. Students study methods of identifying and managing major health risk behaviors and investigate health education in the school and community, health services, resources, networking and health promotion. Experiential hours in a

community health agency required. Offered fall of even-numbered years.

HED 324. NUTRITION 4 sh

A comprehensive study of nutrient basics, digestion, metabolism, vitamins, minerals, supplements, steroids, weight management, eating disorders, nutritional deficiencies and imbalances. Emphasizes practical application of nutrition concepts throughout the life cycle and investigates food technology and food safety. Offered fall and spring.

HED 325. SUBSTANCE ABUSE AND HUMAN BEHAVIOR 4 sh

Students study personality, societal and biological factors influencing drug use and abuse. Emphasizes drugs as a health issue and prevention as a lifestyle risk reduction model. Drug abuse and prevention strategies are examined from the perspectives of pharmacology, psychosocial impact, and cross cultural attitudes and beliefs. Special consideration is given to drug issues faced by health educators in the school and community. Students are required to investigate a prevalent drug issue and create and present a peer education program based on their investigation. Offered spring.

D 326. HUMAN SEXUALITY

4 sh

A comprehensive study of biological and psychosocial sexuality throughout the life cycle, including male and female physiology, contraception, pregnancy, childbirth, sexually transmitted diseases, gender roles, intimate relationships, parenting and deviant sexual behavior. Offered fall and spring.

D 362. HEALTHFUL LIVING IN THE ELEMENTARY SCHOOL

3 sh

Provides a study of health, safety and physical education needs of elementary children (including content and methodology) and the integration of those needs with the curriculum. Offered fall and spring.

HED 421. HEALTH OF THE BODY SYSTEMS

4 sh

Students study the interdependency of body systems and diseases and conditions that affect human health and well being. Topics include the historical foundation of health professions, immunology, pathophysiology of prominent acute and chronic diseases, sociocultural factors that influence health, and consequences and prevention of major health risk behaviors. Methods of health appraisal and screening are also investigated. Prerequisites: BIO 161, 162 Offered fall and spring.

HED 491. INDEPENDENT STUDY

1-4 sh

HED 499. RESEARCH IN HEALTH EDUCATION

1-4 sh

157

HISTORY

Chair, Department of History: Professor Midgett

Professors: Crowe, C. Troxler, G. Troxler

Associate Professors: Bissett, Digre

Assistant Professors: Brown, Ellis, Festle

The study of history centers on exploration of various economic, social, political, military and religious forces that have transformed the face of the world. It combines analytical thinking and writing with a detailed grasp of the many influences that have brought about historical change.

History is a discipline that explores the dynamics of change from humanistic and social scientific perspectives. Because of the breadth and depth of historical investigation, students who choose to major or minor in history at Elon College find themselves well prepared for careers that require interaction with people and the ability to write and think analytically.

A major in History requires the following courses:

HST 111	Europe and the Mediterranean World to 1660	4 sh
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HST 112	Europe and the Mediterranean World since 1660	4 sh
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Choose one course from		4 sh
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HST 121	United States History through 1865 or	
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HST 122	United States History since 1865 or	
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HST 123	United States and North Carolina since 1865	
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Eight hours History electives		8 sh
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Twenty hours History electives at the 300-400 level		20 sh
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One History seminar course including completion of a Senior Thesis		4 sh
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TOTAL		44 sh
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It is strongly recommended that History majors, in consultation with their advisor, select a topical or regional concentration of 12 semester hours at the 300 level and above. Concentration courses will be chosen from among the required 28 elective hours. With the approval of the department chair, four hours from outside the history department may be applied toward the concentration and the elective history hour requirement. The history department strongly recommends that history majors considering graduate school take a foreign language.

History majors receiving teacher certification must complete the following courses:

HST 111	Europe and the Mediterranean World to 1660	4 sh
HST 112	Europe and the Mediterranean World since 1660	4 sh
HST 121	United States History through 1865	4 sh
HST 122	United States History since 1865	4 sh
HST 361	North Carolina in the Nation	4 sh
One History seminar course		4 sh
Sixteen hours HST electives at the 300-400 level chosen from each of the following areas		16 sh
1) United States		
2) Europe		
3) Developing World (Africa, Asia)		
4) Minority History (African Americans and Women)		
GEO 131	The World's Regions	4 sh
POL 111	American Government	4 sh
Set of Professional education courses		35 sh
TOTAL		83 sh

A minor in History requires the following:

Four semester hours chosen from		4 sh
HST 111	Europe and the Mediterranean World to 1660	
HST 112	Europe and the Mediterranean World since 1660	
HST 221	The World in the Twentieth Century	
Four semester hours chosen from		4 sh
HST 121	United States History through 1865	
HST 122	United States History since 1865	
Twelve semester hours of History electives at the 300-400 level		12 sh
TOTAL		20 sh

HST 111. EUROPE AND THE MEDITERRANEAN WORLD TO 1660 4 sh

This survey of major developments in the Mediterranean world begins with ancient Mesopotamian and Egyptian civilizations. Students also explore the evolution of the great formative cultures of the Western world (Greece and Rome) and the Middle

East and look at their interaction during the Middle Ages, the Renaissance, the Reformation and the beginnings of early modern Europe. Offered fall.

HST 112. EUROPE AND THE MEDITERRANEAN WORLD SINCE 1660 4 sh

In a survey of major developments in the Mediterranean world from 1660 to the

present, study covers the rise of the major European powers during the period and discusses their interaction with one another and the Middle East and North Africa, particularly in the 19th and 20th centuries. Offered fall and spring.

HST 121. UNITED STATES HISTORY THROUGH 1865 4 sh

This survey of early U.S. history includes the major political, social, economic and intellectual developments in the U.S. from the first explorations of the continent through 1865 and considers the implications of these events and developments on the American experience after 1865. Offered fall and spring.

HST 122. UNITED STATES HISTORY SINCE 1865 4 sh

Study of U.S. history continues with the major political, social, economic and intellectual developments in the U.S. from the Civil War to the present and examines how events and developments which occurred prior to 1865 influenced the nation's evolution after the Civil War. Offered fall and spring. No credit for students with prior credit for HST 123.

HST 123. THE UNITED STATES AND NORTH CAROLINA SINCE 1865 4 sh

Study of U.S. history with a focus on N.C. as part of national development; examines major political, social, economic and intellectual trends from the Civil War to the present; includes an understanding of how events and developments prior to 1865 influenced the nation and the state after 1865. Offered fall and spring. No credit for students with prior credit for HST 122.

HST 221. THE WORLD IN THE 20TH CENTURY 4 sh

This survey of contemporary history examines critical events, ideologies and movements that have shaped our world. Students gain an understanding of the historical context of current global issues by examining developments in Africa, Asia, Europe, Latin America and the Middle East. Offered spring.

HST 251. HISTORY STUDIES ABROAD 4 sh

A specialized study for those participating in abroad programs. Offered winter.

AFRICA

HST 313. MODERN AFRICA 4 sh

This survey course explores developments in Africa during the past century (especially regions south of the Sahara) and examines African responses to European imperialism, African independence and the problems faced by the new African states. Offered fall of even-numbered years.

HST 314. A HISTORY OF SOUTHERN AFRICA 4 sh

This course examines the forces that have shaped the history of South Africa and its neighbors in the 19th and 20th centuries, focusing on the effects of apartheid on modern South African society. Offered spring of odd-numbered years.

RUSSIA

HST 316. THE HISTORY OF IMPERIAL RUSSIA TO 1917 4 sh

This course explores the major developments in the history of the Russian state from its origin in the 9th century to the collapse of the tsarist system in 1917. Topics include Kievan Rus and the Mongols, the rise of Moscow, the westernization efforts of Peter and Catherine the Great and the gradual transformation of Russia from its wars with Napoleon through the overthrow of the Romanov Dynasty. Offered fall of even-numbered years.

HST 317. RUSSIA AND THE SOVIET UNION SINCE 1917 4 sh

This study of modern Russian history explores the Bolshevik communist system, considers the transformation of the Soviet state under Lenin and Stalin and studies Russia's role in World War II and its impact on the USSR afterwards. Topics include the emergence of the Soviet Union as a world power under Stalin, Khrushchev, and Brezhnev; Soviet domestic events under all three men; and the impact of Mikhail Gorbachev, Boris Yeltsin, and other recent Russian leaders. Offered spring of odd-numbered years.

ASIA**HST 318. CHINA SINCE 1644** 4 sh

Major domestic and international developments in Chinese history from 1644 until the present are the focus of this course. Topics of study explore the Qing Empire and the impact of the West on its Manchu rulers, examine the Qing collapse in 1912, and consider China under the Nationalists until 1949 and under Mao Ze-dongs communist system afterward. The course also covers recent developments, particularly the reform era of Deng Xiao-ping. Offered spring of even-numbered years.

HST 319. HISTORY OF JAPAN, 1600-1945 4 sh

This course explores the evolution of Japanese history from the Tokugawa Shogunate through the end of World War II. Topics of discussion include traditional Japanese values, the Meiji Restoration of 1868, the experiment with constitutional reform and parliamentary democracy through 1931 and Japan's emergence as a competitive Asian power. Discussions place these developments into the context of Japan's role in World War II. Offered fall of odd-numbered years.

HST 320. CHINA, JAPAN & THE PACIFIC CENTURY: ERA OF WAR & REVOLUTION 4 sh

Pearl Harbor and Hiroshima are infamous names in world history. In many ways they represent the end result of a century of conflict and revolution in Asia that centered around Western efforts to force themselves into the mainstream of Chinese and Japanese societies. This course will explore these conflicts and their impact not only on these two important Asian nations, but on all of the countries that ring the Pacific Rim such as Russia, the United States, Canada and Australia.

BRITISH ISLES**HST 323. THE MAKING OF THE ENGLISH NATION TO C. 1660** 4 sh

A study of English customs, church, common law system, monarchy and

national identity and the migration of these features to America. The course spans the development of an English people (Celtic, Roman, Anglo-Saxon, Viking and Norman French) and the ruptures which produced civil war and an English Republic — episodes formative of American political values. Offered fall of odd-numbered years.

HST 324. ENGLAND WITHIN THE BRITISH EMPIRE: 17TH CENTURY TO THE PRESENT 4 sh

This course examines the social, religious and constitutional conflicts of the 1640s and the 1680s and their impact on Colonial America. Study also traces later changes in the English society, economy and form of government, the United Kingdom's changing role in Europe and the world, and changes in social roles and attitudes, particularly regarding class, gender and race. Offered spring of even-numbered years.

HST 326. HISTORY OF IRELAND 2 sh

Study includes Ireland's political and cultural history as well as its influence on the U.S. through emigration. Celtic cultural continuity and adaptation from the early Middle Ages to the present are explored through traditional folkways, music, tales, art and literature in historical contexts. Offered fall of even-numbered years.

HST 327. HISTORY OF SCOTLAND 2 sh

Focus is on Scotland's evolution as a nation sharing an island with Wales and England. We explore the role of Celtic and Viking cultural continuity in shaping a Scottish consciousness centered on a Highlands ideal and perpetuated by emigration. Students use oral history, folkways, and musical and balladry traditions in historical contexts. Offered fall of even-numbered years.

EUROPE**HST 332. DAILY LIFE IN EARLY MODERN EUROPE, 1350-1750** 4 sh

This course examines how Europeans lived, day to day, from the time that the Black Death swept the continent to the Industrial Revolution. Topics include marriage, food,

housing, witchcraft, clothing, court life, violence, sports, religion, childhood, and death. Students examine life in the countryside and town, as well as the rich, the poor, and everyone in between.

HST 335. GROWTH OF MODERN EUROPE, 1789-1914 4 sh

This course explores the period between the French Revolution and World War I, as modern Europe emerged from the old regime. Focus centers on the development of mass politics, the widespread impact of the industrial revolution, changes in women's public and private roles, cultural developments from neoclassicism to modernism, and the evolution of modern consciousness.

HST 336. EUROPE, 1914-1945 4 sh

This course provides a study of European history focusing on the two World Wars, the search for stability in the inter-war years and the rise of totalitarianism. Offered fall of odd-numbered years.

HST 337. EUROPE, 1945 TO THE PRESENT 4 sh

Discussions in this course cover the Cold War, the end of colonial rule, the rise of the European Community, social and intellectual trends, the collapse of communism and the reawakening of nationalism in Eastern Europe. Offered spring of even-numbered years.

HST 339. A HISTORY OF THE HOLOCAUST 4 sh

History of the Holocaust explores the roots of this event, beginning with historical anti-Semitism and the impact of this tradition on Adolph Hitler and the Nazis. Topics also include Hitler's racial policies between 1933-1938, their spread throughout Nazi Europe between 1939-1941, the evolution of the Final Solution from 1941-45, and post-World War II Holocaust developments and questions. Offered winter.

WESTERN HEMISPHERE

HST 351. HISTORY OF MEXICO 2 sh

An introduction to the history of Mexico and to its contemporary cultural and political life. The role of native peoples is

emphasized in the early colonial period and in recent developments. The course also explores Mexico's relationship with the U.S. Offered spring of odd-numbered years.

HST 352. HISTORY OF CANADA 2 sh

An introduction to the history of Canada and to its contemporary cultural and political life. Focus is on the development of a Canadian national identity and on present day expressions of that identity within Canada's multicultural context. Offered winter or summer.

HST 355. CREATING HISTORY: RECORDING THE REMEMBERED PAST 4 sh

Students learn and practice the techniques of interviewing living historical actors who were involved in a particular period or issue in history, moving from preparatory research through transcribing the results. They also study oral history's strengths, weaknesses, ethics and uses. The specific research topics will vary.

HST 356. EARLY NATIONAL PERIOD, (1787-1840): FORCES THAT SHAPED THE NATION 4 sh

A study of the thought that produced the American Constitution and the implementation of that national government during the administration of its first seven presidents. Topics examine political, social and economic forces that affected national decisions and development. Offered fall of odd-numbered years.

HST 357. AMERICA'S CIVIL WAR: NATIONAL CATAclysm 4 sh

Beginning with the era of Andrew Jackson, this course focuses on geographic, economic, social and political dynamics that tore the nation apart. Students analyze the causes of the Civil War and examine its military, social and political facets. A concluding study of the Reconstruction of the nation explores the resolution (or not) of the issues that generated the conflict.

HST 358. THE US, 1877-1940: THE CONSEQUENCES OF MODERNIZATION 4 sh

Focusing on the transformation to industrial

capitalism, this course explores the major developments in American history from the end of Reconstruction to the beginning of World War II. Students examine the Gilded Age, progressivism, World War I, prosperity and nativism in the 1920's, the Great Depression and the New Deal, and the coming of war in Europe and Asia.

**HST 359. THE UNITED STATES SINCE 1940:
RECENT AMERICAN HISTORY** 4 sh

This study of American History is organized around four major themes: America in World War II; America's obsession with stopping communism; the tumultuous social movements of the 1960's; and the disillusionment caused by Vietnam and Watergate. Focus centers on how these events continue to affect American institutions.

**HST 361. NORTH CAROLINA
IN THE NATION** 4 sh

Study traces N.C. history from the first European contact to the present in the wider context of U.S. history. Topics include: N.C. as a microcosm of the region and nation; Reconstruction and The New Deal; and N.C. political, economic, social and geographical features as related to national trends. Discussion also covers how family and community history are preserved and how the study of local history can enhance public understanding of national events. Offered fall and spring.

**HST 362. THE SOUTH IN AMERICAN HISTORY:
REGIONAL SUBCULTURAL
PERSISTENCE** 4 sh

This course examines the South (especially post-Civil War) as a distinctive region of the U.S., including reasons for such distinctiveness and its impact on the nation's history. Offered spring of odd-numbered years.

**HST 363. AFRICAN-AMERICAN HISTORY,
1850-PRESENT** 4 sh

Beginning with the slave system in the mid-19th century, this course examines recurring issues and problems in African-American history through the post-civil rights era. Study focuses on three themes: the similarity and differences of African-American experiences; the extent to which

they were oppressed yet also had choices; and their strategies to cope with their social and political situations. Offered fall of odd-numbered years.

HST 364. HISTORY OF WOMEN IN THE U.S. 4 sh

This course surveys the experiences of women in the U.S., emphasizing their changing political and economic status and gender role expectations. Topics focus on the historical factors—politics, war, social movements, technology, ideology—that caused such changes, strategies women utilized to change or cope with their situations and differences among women. Offered spring of even-numbered years.

**HST 365. SOCIAL MOVEMENTS IN
POST-CIVIL WAR AMERICA** 4 sh

This course covers organized efforts to change American society since Reconstruction, including social movements from Populism in the late 1800s to the Civil Rights Movement in the 1960s, and the responses to these movements.

**HST 367. AMERICAN MILITARY HISTORY
THROUGH 1865** 2 sh

Focus is on the impact of the American Revolution on the evolution of the army and navy, the relationship between military power and a growing sense of nationhood, and the American Civil War. Students will explore causes of military conflicts, the strategy and tactics of campaigns, and the impact of the resolution of these conflicts.

**HST 368. AMERICAN MILITARY HISTORY
SINCE 1865** 2 sh

This course analyzes military power as a component of foreign policy. Students concentrate on America's shift from an isolationist nation to a major world power by examining the Spanish-American War, World War I, World War II, the Korean Conflict, Vietnam and recent engagements.

HST 369. AMERICAN INDIAN HISTORY 4 sh

Stressing the active role that Indian people have taken in the creation of their own history, this course focuses on complicated cultural and historic realities. Topics include

pre-Columbian Indian societies, cultural adaptation, Removal, the Reservation Age, resistance movements, the Indian New Deal, post-war activism and cultural revitalization.

ST 460-469. SEMINAR: SPECIAL TOPICS

4 sh

A capstone experience for majors, this course offers students practical experience in researching, writing and presenting a senior thesis. Past topics have included American Civil War, England in the Age of Henry the Eighth, Russia, The Holocaust, Modern Africa, and American Social Movements. Prerequisites: junior/senior major or permission of instructor. Offered fall and spring.

ST 481. INTERNSHIP IN HISTORY

2 - 4 sh

Designed to provide students with practical

experience in history-related professions, activities included in the internship enable students to explore careers in archives, record management, historic sites, museum administration, etc. Prerequisite: 18 semester hours of history.

HST 491. INDEPENDENT STUDY

2 - 4 sh

Open to junior/senior majors/minors or others with permission of instructor.

HST 499. RESEARCH IN HISTORY

1 - 4 sh

Open to junior/senior majors/minors or others with permission. In conjunction with a faculty mentor, the student will formulate and execute an original research project that will culminate in a formal presentation. A research proposal form completed by the student and faculty mentor is required for registration.

163

HUMAN SERVICES

Chair, Department of Human Services: Associate Professor Kiser

Associate Professor: Higgs

Assistant Professor: Bailey

Instructor: Gumm

The Human Services major prepares students to work as practitioners in a variety of professional service settings such as social services, mental health, family services, corrections, child care, youth programs, group homes and many others. The Human Services curriculum guides the student through gaining the knowledge, skills and experience necessary to work effectively with a variety of populations.

Students learn to examine critically a range of human and societal problems and the programs and services designed to address those problems. Students develop an understanding of the societal, cultural and personal variables which contribute to the development of human problems and to their solution.

The Human Services major draws upon knowledge in the social sciences, especially psychology and sociology, and emphasizes the application of this knowledge to the improvement of human life and society. In order to apply this knowledge effectively, students develop a variety of skills including those involved in oral and written communication, problem solving, developing professional helping relationships, organization and administration.

A major in Human Services requires the following courses:

HUS 111	Principles and Methods in Human Services	4 sh
PSY 111	General Psychology	4 sh
SOC 111	Introductory Sociology	4 sh
HUS 212	Counseling Individuals & Families	4 sh
HUS 213	Counseling Groups & Communities	4 sh
SSC 285	Research Methods	4 sh

HUS 381	Practicum in Human Services	4 sh
HUS 411	Administration of Human Service Agencies	4 sh
HUS 412	Professional Communication	4 sh
HUS 461	Senior Seminar	4 sh
HUS 481	Internship in Human Services	8 sh
Eight semester hours selected from 4 hour Human Services courses		8 sh
TOTAL		56 sh

164

Prior to taking Human Services 381 students must be approved by the Human Services Department. A minimum grade point average of 2.1 is required to be eligible for Practicum.

Most other major requirements must be completed prior to taking Human Services 481. Students who enroll in Human Services 481 may not take any courses other than the prescribed block courses. A minimum grade point average of 2.2 is required to be eligible for Internship. Applications for both Practicum and Internship must be completed by May 1 in order to enroll in these courses the following year. Applications are available in the office of the department chair.

A minor in Human Services requires the following courses:

HUS 111	Principles and Methods in Human Services	4 sh
HUS 381	Practicum in Human Services	4 sh
One course from the following:		4 sh
PSY 111	General Psychology	
SOC 111	Introductory Sociology	
One course from the following:		4 sh
HUS 212	Counseling Individuals & Families	
HUS 213	Counseling Groups & Communities	
Four semester hours Human Services course		4 sh
TOTAL		20 sh

HUS 101. LEADERSHIP 2 sh

This course combines study and practical experience to increase knowledge and skills in leadership development and is appropriate for both emerging and established leaders. (No credit toward Human Services major.) Offered fall and spring.

HUS 102. PEER COUNSELING 2 sh

In this study/practical experience course students develop skills in interpersonal relations, gain an understanding of personal and community problems and learn to view the residence hall as a community. Required of all Resident Assistants. (No credit toward Human Services major) Offered fall and spring.

HUS 111. INTRODUCTION TO HUMAN SERVICES/ELR 4 sh

This course explores the history and values of the human services profession, examines theoretical approaches to human services work, provides an overview of the human services system in the United States, and acquaints students with the roles and responsibilities of human service professionals. A minimum of 40 hours of field work in an approved human services setting is required. Meets ELR. Offered fall and spring.

HUS 212. COUNSELING INDIVIDUALS AND FAMILIES 4 sh

This course examines various theories and methods used in helping families and

individuals resolve problems. Students gain skills in applying these theories and methods through use of case studies, role plays, simulations and other experimental methods. Prerequisite: HUS 111 or PSY 111.

HUS 213. COUNSELING GROUPS AND COMMUNITIES 4 sh

Students will examine the role and history of working with groups and communities in the human services system. Theories and methods used in working with groups and communities will also be studied. Topics addressed in the course include group dynamics and group development as well as leadership models and approaches. Students will gain skills in working with groups and communities through the use of case studies, simulations, role plays and other experimental methods. Prerequisite: HUS 111 or SOC 111.

HUS 311. POVERTY AND SOCIAL WELFARE POLICY 4 sh

Poverty is a core issue which underlies many social and human problems in the United States. This course will examine the social welfare system in the United States and the history and process of policy making in the United States around this issue. Alternative approaches to understanding and resolving the problem of poverty will also be explored. Emphasis will be placed on the role of the human services worker in policy making processes.

HUS 312. HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT 4 sh

This course explores theoretical and empirical knowledge of human behavior and the social environment as a foundation for human services delivery to individuals, families, groups and communities. Emphasis is placed on life transitions and on the diverse social conditions and contexts that may support or inhibit human development and functioning. Such factors as race and ethnicity, gender, sexual orientation, disability, socioeconomic status and rural/urban differences are explored as they impact human behavior and human

development. The course focuses on the application of this knowledge through the use of case studies and other methods.

HUS 321. GROUP DYNAMICS AND LEADERSHIP 4 sh

Students explore group dynamics, group structure, leadership and the group worker role and are encouraged to examine and refine their own group communication and leadership skills. Prerequisite: HUS 213.

HUS 324. PERSPECTIVES AND ISSUES IN AGING 4 sh

This introduction to gerontology explores the biological, sociological and psychological aspects of aging and presents cultural, economic and political issues related to aging such as ageism, retirement, living environments and the social security and health care movements.

HUS 326. SPECIAL POPULATIONS IN HUMAN SERVICES 4 sh

This course explores specific populations of human services clients such as persons with disabilities, children at risk, persons with HIV/AIDS, persons with terminal illnesses, etc. Needs of the particular populations under study are explored as well as programs, services and innovations in service provision. Specific populations studied vary based on current trends and issues in the field.

HUS 331. PRINCIPLES OF COUNSELING 4 sh

This course focuses on the theories and methods used in counseling individuals. The course is designed for persons who will work in the helping professions and includes role playing, videotaping and working with case material. Prerequisite: HUS 212.

HUS 341. FAMILY COUNSELING 4 sh

This course focuses on family assessment and intervention using systems theory as the primary conceptual model and emphasizes the use of family counseling concepts to understand family dynamics and relationships. Students make extensive use of case material and role play to apply theory to practice. Prerequisite: HUS 212.

HUS 359. CRIMINAL JUSTICE 4 sh

The field of criminal justice is examined in terms of three interdependent subsystems: law enforcement, corrections and the courts. Both theoretical models and practical applications will be used to encourage a broad understanding of the criminal justice system as a whole.

HUS 361. SUBSTANCE ABUSE: ISSUES IN TREATMENT 4 sh

Students become familiar with the contemporary theories and knowledge base concerning substance abuse. The course examines therapeutic issues involved in the treatment of substance abusing persons and their families and reviews various types of treatment interventions. The course addresses innovative treatment modalities as well as the lack of sufficient and appropriate rehabilitative services to meet the needs of various special populations.

HUS 369. JUVENILE JUSTICE 4 sh

This course examines the juvenile justice system, including a number of agencies which have jurisdiction over a juvenile from birth to the age of majority. System components included in this course are the social services, law enforcement, juvenile court and corrections. Ancillary and supportive services such as mental health, school systems, child advocacy groups and guardian ad litem programs are also explored.

HUS 371-3. SPECIAL TOPICS IN HUMAN SERVICES 4 sh

Students examine special topics in human services, which includes such topics as developmental disabilities, mental health issues and services, family violence, etc.

HUS 381. PRACTICUM IN HUMAN SERVICES 4 sh

Students gain field experience in a human services organization full-time for at least three weeks, observing and learning the roles, tasks, skills and methods of human services professionals in the assigned setting and becoming familiar with administrative processes in the organization. Conferences

with the supervising faculty member and the agency supervisor, assigned readings and journal writing provide further learning opportunities. Prerequisites: HUS 111, 2.1 GPA, status as a declared human services major or minor and approval of application for practicum. Offered winter.

HUS 411. ADMINISTRATION OF HUMAN SERVICES AGENCIES 4 sh

This overview of principles and techniques of leadership and management in human service agencies exposes students to planning, organizing, staffing and financing a project or an agency and working with a board of directors and the community. (Senior Block Course) Prerequisites: HUS 111, 381. Offered fall and spring.

HUS 412. PROFESSIONAL COMMUNICATION 4 sh

An in-depth study of interpersonal communication skills and writing skills essential to the human services worker, emphasizing the further development of written and oral communication skills. Special emphasis in this course is placed on cross-cultural communications within helping relationships. (Senior Block Course) Prerequisites: HUS 111, 381. Offered fall and spring.

HUS 461. SENIOR SEMINAR 4 sh

In this capstone course, students analyze their personal and professional development during their college experience and are required to research, write and present a scholarly paper. Senior majors only. Offered fall and spring.

HUS 481. INTERNSHIP IN HUMAN SERVICES 8 sh

Students participate in full-time field based experience in a human service agency for eight weeks, observing and practicing the roles, tasks and skills of human services professionals under the supervision of a faculty member and an agency supervisor. Conferences with both supervisors and assigned papers and readings enhance learning as the student makes the transition into full-time professional responsibility. Senior majors only. Prerequisite: HUS 381. Offered fall and spring.

US 499. INDEPENDENT RESEARCH IN HUMAN STUDIES*1 - 8 sh*

Students engage in independent research projects related to the field of human

services. Research is conducted under the supervision of human services faculty.

Junior or senior status and departmental approval required. Prerequisite: SSC 285.

NDEPENDENT MAJOR

Coordinator:: Professor Tiemann, Director of General Studies

Students with intellectual and professional interests which cannot be met by other major and minor programs may create an Independent Major. Independent Majors are interdisciplinary in nature and are suitable for highly motivated students willing to assume exceptional responsibility for their own education. Students must have a GPA of at least 3.0 and no more than 66 completed semester hours when applying. Advice from the Director of General Studies may be helpful in designing an Independent Major. Details concerning final approval for an independent major may be obtained in the Office of the Director of General Studies.

An Independent Major requires the following:

1. An "Application for Independent Major," available from the Director of General Studies, must be completed before the student has earned 66 semester hours. This "Application" also outlines the procedure to be followed for designing and declaring the Independent Major.
2. An interdisciplinary committee of three professors, including one designated as the principle advisor, must be assembled.
3. A curriculum must be designed, with help from the committee. That curriculum must include:
 - Completion of the General Studies Requirements
 - An Independent Major including:
 - a minimum of 48 semester hours
 - a minimum of 28 semester hours at the 300-400 level
 - a capstone seminar
 - a capstone interdisciplinary project
 - a plan for assessing the completed major
 - The Independent Major courses must come from at least three departments, and no more than half may be from any one department. Upper-level courses taken to satisfy the requirements of an Independent Major will also satisfy the eight-hour Advanced studies requirement when the Independent Major includes at least twelve hours of upper-level courses in three departments and at least two of the four areas listed under Liberal Studies. Students completing an Independent Major which designates an advanced GST Seminar as the capstone seminar must take another GST Seminar to fulfill the General Studies requirements.
 - No more than 4 semester hours of independent study may be included. This will usually be used for completion of the capstone interdisciplinary project.

INTERNATIONAL STUDIES

Coordinator: Associate Professor Digre

Program Faculty: Professors: Bolin, W. Rich

Associate Professors: Chakrabarti, Romer

Assistant Professors: Chapman, J. Das, Helvey

The International Studies major provides students with an interdisciplinary program through which they can gain a broad knowledge of international affairs as well as expertise on one of the world's regions. Study abroad experiences and foreign language study form integral parts of the program. Students, with the support of their advisers, have considerable freedom in designing their own program of study.

The major may form an attractive double major for students from a variety of disciplines, such as political science, history and foreign languages. It also might be profitably combined with a business minor. It should provide an educational background for those seeking international affairs careers in government, non-governmental organizations (development/humanitarian), travel and business.

Students are strongly encouraged to include a study abroad experience in their programs. Under specified provisions of the program, up to 16 credit hours of foreign study can be included.

A major in International Studies requires 44 semester hours. These requirements are specified as follows:

Foundation Courses

8 sh

POL/INT 241 International Relations

HST/INT 221 World in the Twentieth Century

Foreign Language Study

8 sh

Study in one foreign language at any level. (Students should choose a language relevant to the regional concentration. See below.)

Global Studies

12 sh

Students must take courses from at least two of the following five areas:

Politics and Economics

BUS 430 International Business Management

ECO 312 Comparative Economic Systems

ECO 314 International Trade and Finance

POL 114 Model United Nations

POL 261 Comparative Politics

POL 342 U.S. Foreign Policy since 1939

POL 343 International Law and Organizations

History and Geography

GEO 131 The World's Regions

HST 112 Europe and the Mediterranean World Since 1660

Literature and Foreign Language

ENG 231 World Literature

Foreign languages 310, 321, 322 relevant to student's regional concentration

Society and Culture

PSY 366	Psychology in Cultural Context
REL 121	World Religions
SOC 212	Cultural Anthropology

Study Abroad

Students who have study abroad experience that cannot be counted under Foreign Language Study or Regional concentration may count 4 semester hours under this category.

Regional Concentration

12 sh

At least three courses taken on one geographic region. Courses should be chosen from at least two disciplines. Study abroad courses, as approved by the program coordinator, may be included under the regional concentration.

Approved course lists for regional concentrations in Africa, Asian/Pacific, and Europe may be obtained from the program coordinator. In addition, special area concentrations, designed by student and adviser, may be approved by the program coordinator.

Senior Seminar

4 sh

INT 461 or a History, Political Science or General Studies seminar with an international focus as approved by program coordinator.

TOTAL

44 sh

A minor in International Studies requires the following:

POL/INT 241	International Relations	4 sh
HST/INT 221	The World in the Twentieth Century	4 sh

Twelve semester hours based on the program of study for the international studies major. 12 sh

Students should choose one of the following options:

- a. A Regional Concentration
- b. The Global Studies Field
- c. Foreign language study (8 sh) plus one elective selected from courses approved for the major

TOTAL

20 sh

Students are strongly encouraged to include a study abroad.

NT 221. THE WORLD IN THE

TWENTIETH CENTURY 4 sh

(Same course as HST 221. See HST 221 for description.)

T 241. INTERNATIONAL RELATIONS 4 sh

(Same course as POL 241. See POL 241 for description.)

T 461. SENIOR SEMINAR 4 sh

The senior seminar is a capstone experience designed for majors. This course offers

practical experience in researching, writing, and presenting a senior thesis which builds on previous work in global studies and the regional concentration.

INT 481. INTERNSHIP IN INTERNATIONAL STUDIES 2 - 4 sh

Designed to provide students with opportunities to work in professional positions related to international affairs. Internships are intended to provide

practical experience for future careers in government, non-governmental organizations (development/humanitarian) and business. They may be arranged both in the United States and overseas. Prerequisite: Permission of program coordinator.

INT 491. INDEPENDENT STUDY 2-4 sh

Open to junior or senior majors with permission of instructor.

170 INT 499. RESEARCH 1-4 sh

Designed to allow students the opportu-

nity to engage in an empirical or theoretical study in collaboration with a faculty member. Research projects may include reviewing relevant literature, developing a research design, data collection, analysis and presentation of findings. This may also include a presentation to the international studies faculty and/or a SURF presentation. Prerequisite: Permission of program coordinator.

JOURNALISM AND COMMUNICATIONS

Chair, Department of Journalism and Communications: Associate Professor G. Padgett

Associate Professors: Grady, Wolfe

Assistant Professors: Duvall, Frontani, Fulkerson, Gibson, Hamm, R. Johnson, Lee, Nelson

Students who choose majors in Journalism/Communications prepare for exciting careers in newspapers, magazines, radio, television, cable, public relations, advertising, corporate relations and film. Separate majors are offered in Journalism (directed toward career opportunities in print related fields) and Communications (offering emphases in broadcast communications encompassing all electronic media, corporate communications and film communications).

Majors complete a range of courses offering study in the theory, history, law and ethics of communications, as well as practical hands-on experience in modern computer labs, a state-of-the-art television studio and well-equipped audio and video editing labs.

Students complement in-class work with involvement in various campus media from the award-winning campus newspaper The Pendulum and Pendulum Online, to WSOE radio station, to weekly cable television newscasts and talk shows through departmental programming and Elon College Television.

All majors are required to earn at least a "C" in JCM 218, "Writing and Information Gathering" before advancing to courses requiring JCM 218 as a prerequisite.

A major in Journalism requires the following courses:

JCM 215	Intro to Journalism and Communications	4 sh
JCM 218	Writing & Information Gathering	4 sh
JCM 225	Reporting & Newswriting	4 sh

JCM 325	Editing & Layout	4 sh
JCM 425	Advanced Reporting	4 sh
JCM 315	Media & Society	4 sh
JCM 360	Media History	4 sh
JCM 465	Media Law & Ethics	4 sh
JCM 495	Senior Seminar	4 sh
Twelve semester hours of JCM elective at the 200-400 level (no more than 4 sh at the 200 level)		12 sh
TOTAL		48 sh

A major in Communications with Broadcast Emphasis requires the following courses:

JCM 211	Public & Presentational Speaking	4 sh or
JCM 245	Broadcast Performance	4 sh
JCM 215	Intro to Journalism and Communications	4 sh
JCM 218	Writing & Information Gathering	4 sh
JCM 240	Television Production	4 sh
JCM 335	Writing for Electronic Media	4 sh
JCM 315	Media & Society	4 sh
JCM 360	Media History	4 sh
JCM 465	Media Law and Ethics	4 sh
JCM 495	Senior Seminar	4 sh
Twelve semester hours of JCM elective at the 200-400 level (no more than 4 sh at the 200 level)		12 sh
TOTAL		48 sh

A major in Communications with Corporate Emphasis requires the following courses:

JCM 211	Public & Presentational Speaking	4 sh
JCM 215	Intro to Journalism and Communications	4 sh
JCM 218	Writing & Information Gathering	4 sh
JCM 318	Organizational Communications	4 sh
JCM 333	Public Relations	4 sh
JCM 240	Television Production	4 sh
JCM 327	Corporate Publishing/Writing	4 sh or
JCM 352	Corporate Video	4 sh
JCM 465	Media Law & Ethics	4 sh
JCM 495	Senior Seminar	4 sh
Eight semester hours of JCM elective at the 200-400 level		8 sh
Eight semester hours of 200-400 level electives in JCM or from the disciplines of the Love School of Business.		
At least 4 semester hours must be in BUS, ECO or ACC		8 sh
TOTAL		52 sh

A major in Communications with Film Emphasis requires the following courses:

JCM 215	Intro to Journalism and Communications	4 sh
JCM 218	Writing & Information Gathering	4 sh
JCM 240	Television Production	4 sh
JCM 261	Development of the Cinema	4 sh
JCM 495	Senior Seminar	4 sh

Film History and Theory

Twelve semester hours selected from the following:

JCM 320	The Art of Film and Video Editing	4 sh
JCM 337	The Documentary	4 sh
JCM 346	African Film	4 sh
JCM 349	The South in Film	4 sh
JCM 361	Gender Issues in Cinema	4 sh
JCM 362	Film Criticism	4 sh
JCM 390	Film Censorship	4 sh
JCM 463	The Auteur Director	4-8 sh
JCM 491	Independent Study in Film	1-4 sh

Film Production

Eight semester hours selected from the following:

JCM 230	Audio Production	4 sh
JCM 260	Introduction to Film Production	4 sh
ENG 314	The Screenplay	4 sh or
JCM 344	Screenwriting	4 sh
JCM 355	Advanced Video Production	4 sh
JCM 384	Internship in Film Production	4 sh

Approved Transfer. A maximum of 8 hours of approved coursework in content areas not offered at Elon College. 2-8 sh

Electives

Select an additional 8 hours from any of the areas above, from other JCM courses and Independent Study. Additional transfer credits may not be applied in this category.

TOTAL	48 sh
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A minor in Journalism/Communications requires the following courses:

JCM 211	Public & Presentational Speaking	4 sh
JCM 215	Intro to Journalism & Communications	4 sh
JCM 218	Writing & Information Gathering	4 sh
Four semester hours of JCM elective at the 200-400 level		4 sh
Eight semester hours of JCM elective at the 300-400 level		8 sh
TOTAL		24 sh

A minor in Film Studies requires the following:

Twenty semester hours selected from the following:

Course Requirements:

JCM 261	Development of Cinema	4 sh
Choose an additional 16 hours from the following:		
JCM 320	The Art of Film & Video Editing	4 sh
JCM 337	The Documentary	4 sh
JCM 344	Screenwriting	4 sh
JCM 346	African Film	4 sh
JCM 349	The South in Film	4 sh
JCM/ENG 362	Film Criticism	4 sh
JCM 363	Kennedy Assassination & Film	4 sh
JCM 384	Internship in Film Production	1-4 sh
JCM 390	Film Censorship	4 sh
JCM 463	The Auteur Director	4 sh
JCM 491	Independent Study in Film	1-4 sh
ENG/WGS 361	Gender Issues in Cinema	4 sh

TOTAL	20 sh
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Additional electives as approved by the department chair or film studies coordinator may be chosen from occasional offerings in other disciplines.

JCM 210. PUBLIC SPEAKING*2 sh*

Study covers the fundamentals of public speaking, particularly principles and organization of oral and nonverbal communications with actual practice in delivery of ideas. Offered fall and spring.

JCM 211. PUBLIC AND PRESENTATIONAL SPEAKING*4 sh*

This study of oral and nonverbal communication in public and corporate settings emphasizes audio/visual and other support materials. Students gain classroom practice in the organization and delivery of ideas, use of language and supporting evidence, reasoning and emotional appeals, diction and pronunciation. Offered fall and spring.

JCM 215. INTRODUCTION TO COMMUNICATIONS*4 sh*

Surveys the history of newspapers, magazines, books, film, radio, television and cable in public and corporate communications. Study emphasizes the function and operation of contemporary mass media. Offered fall and spring.

JCM 218. WRITING AND INFORMATION GATHERING*4 sh*

Helps students develop the ability to think and write critically as they research, analyze and write about significant issues. The course also introduces information gathering processes (including interviewing techniques and database search) and styles of media writing. Offered fall and spring.

JCM 225. REPORTING AND NEWSWRITING*4 sh*

By studying the basic types of news articles for the mass media, students learn to gather information and report it in standard journalistic style. Focus is on writing leads, interviewing techniques and editing copy. Word processing ability necessary. Prerequisite: JCM 218. Offered fall and spring.

JCM 230. AUDIO PRODUCTION*4 sh*

This course introduces audio as one element of mass communications. Course work familiarizes students with basic production techniques applicable in radio, television and film. Students also learn basic studio operation, producing, writing and

performing, with a focus on experience through exercises and production assignments. Offered fall.

JCM 240. TELEVISION PRODUCTION 4 sh

This introduction to basic principles, techniques and technologies of television production emphasizes video while using audio to enhance the visual image. Students learn through field news and production assignments, editing and studio production. Offered fall and spring.

JCM 245. BROADCAST PERFORMANCE 4 sh

To help students become more effective communicators and performers in electronic media, this course emphasizes communication of ideas on radio and television, particularly vocal and visual presentation, voice and diction, pronunciation, appearance, gestures and movement. Prerequisite: JCM 240. Offered spring.

JCM 251. COMMUNICATIONS STUDIES ABROAD 4 sh

camcorders and non-linear editing. Offered fall and spring.

JCM 261. DEVELOPMENT OF CINEMA 4 sh

To gain an appreciation of the historical development of film as an art form, students view significant films and study the contributions of important directors. Offered fall and spring.

JCM 265. FILM AESTHETICS AND DESIGN 4 sh

Examines the artistic aspects of film and television, including production design, camera composition, color, motion, editing, sound effects and music. Clips of films will be used as examples. Students will be evaluated on the basis of a class notebook and short production exercises.

JCM 310. INTERPERSONAL COMMUNICATION 2 sh

The fundamental assumption of interpersonal communication is that skills can be acquired, changed, developed and/or improved that will enhance effectiveness in creating and sustaining interpersonal relationships. Topics include self-concept,

perception, listening and conversation skills, and conflict resolution.

JCM 312. SMALL GROUP COMMUNICATIONS 2 sh

This course provides an understanding of small group processes in secondary groups such as committees, task forces, quality circles, work groups, boards and teams. Through discussion, application and practice, students will develop skills likely to serve them in future work and community life.

JCM 315. MEDIA & SOCIETY 4 sh

This study of the role of mass communications media in society examines the structure, function and interaction of mass media, with consideration to media constraints and effects on society. Prerequisite: JCM 215. Offered fall and spring.

JCM 318. ORGANIZATIONAL COMMUNICATIONS 4 sh

As an introduction to process and patterns of communications within organizations, the course covers techniques of information dissemination and the application of various media and methods. Offered fall and spring.

JCM 320. THE ART OF FILM AND VIDEO EDITING 4 sh

This course is an in-depth analysis of film editing including historical perspective and study of the theory of editing. Prerequisite: JCM 240.

JCM 325. EDITING AND LAYOUT 4 sh

Students study and practice in design and makeup of the modern newspaper, including copy editing, headline writing, scaling and cropping of photographs, caption writing, page layout, and use of art and graphics. Prerequisite: JCM 218. Offered spring.

JCM 326. FEATURE WRITING 4 sh

The study of basic types of feature articles for newspapers and magazines emphasizes applying techniques of fiction (narrative, characterization, dialogue, scenes) to nonfiction writing. Prerequisite: JCM 218.

JCM 327. CORPORATE PUBLISHING 4 sh

This introduction to print and other non-broadcast media used in corporate and institutional settings to communicate with internal and external publics includes basic design and layout using desktop publishing and presentational software and emphasizes writing for corporate purposes. Prerequisite: JCM 218. Offered fall and spring.

JCM 328. MAGAZINE EDITING AND PRODUCTION 4 sh

An examination of the magazine publishing industry from concept to marketing and promotion of the finished product. The course will examine industry trends and processes including the complete planning, editing, and production cycle. Students will use desktop publishing technology to propose, design and create a finished prototype of an all new magazine.

JCM 330. BROADCAST JOURNALISM 4 sh

In this critical approach to the gathering, reporting and production of radio and television news, students discuss and evaluate news, commentary and sports features. Each student creates and produces documentary and feature programs. Prerequisites: JCM 218 and JCM 240.

JCM 333. PRINCIPLES OF PUBLIC RELATIONS 4 sh

A combined survey of intermediate level courses covering basic public relations objectives and problems, this course emphasizes research, use of communication tools, and use of the media to reach various publics. Prerequisite: JCM 218. Offered fall and spring.

JCM 335. WRITING FOR ELECTRONIC MEDIA 4 sh

This general course acquaints students with the style, forms and content approaches used in writing for radio, television and other audio/visual presentations. Prerequisite: JCM 218. Offered fall and spring.

JCM 337. THE DOCUMENTARY 4 sh

Students trace the origins of the documentary, subsequent developments and its current status in this survey course.

JCM 344. SCREENWRITING 4 sh

Students will learn the techniques of writing for the cinema. Various film formats such as drama, comedy and documentary will be explored. Students will be required to write several scripts of varied lengths.

JCM 345. ADVANCED AUDIO PRODUCTION 4 sh

The advanced study of audio production techniques (editing, music and sound effects, signal processing and multi-channel production) includes announcing, commercials, news and documentary production. Prerequisites: JCM 230.

JCM 346. AFRICAN FILM 4 sh

This course will examine films produced in Africa by Africans. The course will concentrate on the history of the continent and the problem of modernity vs. tradition as expressed in the films. Students will be asked to study the film "language" created by African Cinema.

JCM 349. THE SOUTH IN FILM 4 sh

This course investigates films about the American South produced during the twentieth century. Each film is studied from two viewpoints; the time of the film and the time of the filming. The time of the film refers to the historical setting of the production. The time of the filming places the film within the historical context of the time the film was produced.

JCM 352. CORPORATE VIDEO PRODUCTION 4 sh

As they learn to research, write, rewrite and produce video productions for internal and external corporate presentations, students use studio and remote production equipment to produce projects. Course work emphasizes achieving an organizations goals through the video medium by informing, persuading and entertaining. Prerequisites: JCM 218 and JCM 240. Offered spring.

JCM 355. ADVANCED VIDEO PRODUCTION 4 sh

As an advanced study of video production techniques for use in television broadcasting and other video media, this course concentrates on electronic field production and

emphasizes the aesthetics of teleproduction. Students research, write and produce public service announcements, commercials and newscasts. Prerequisite: JCM 240. Offered fall.

JCM 358. INTRODUCTION TO FILM PRODUCTION 4 sh

This course provides students with the basic concepts of film style cinematography and editing. Students will write, shoot and edit their own productions utilizing video. Prerequisite JCM 240.

JCM 360. MEDIA HISTORY 4 sh

By examining major trends, important personalities, technological advancements and the historical impact of mass communications, students gain an understanding of how various media are interrelated and the interaction between media and society. Offered fall and spring.

JCM 361. GENDER ISSUES IN CINEMA 4 sh

(Same course as ENG 361. See ENG 361 for description.)

JCM 362. FILM CRITICISM 4 sh

(Same course as ENG 362. See ENG 362 for description.)

JCM 363. KENNEDY ASSASSINATION & FILM 4 sh

This course will explore the details of the assassination of President John F. Kennedy and the way it has been presented in film. Special emphasis will be placed on the study of the assassination as a film genre and any residual effects on the world of motion pictures.

JCM 364. MOVIES ABOUT MEDIA 4 sh

Examines print journalism, radio, television and motion pictures by looking at films which use these media as central subject matter. Possible films to be viewed include *Absence of Malice*, *All the President's Men*, *The Paper*, *Pump up the Volume*, *Broadcast news*, *Network*, *Day for Night*, *The Player* and *The Stunt man*.

JCM 365. INTRODUCTION TO INTERACTIVE MEDIA 4 sh

The success of the CD-ROM has ushered in the age of interactive communication. This course will examine the history and structure of interactive media as well as explore its potential use in education and communication. Students will construct their own interactive presentations using HyperCard for the Macintosh.

JCM 371. SEMINAR: SPECIAL TOPICS 1-4 sh

Recent studies in seminars have included magazine journalism, propaganda and mass media, rock music and mass media.

JCM 380. MEDIA WORKSHOP 1-4 sh

In an on-campus practicum in radio or television production or broadcasting, newspaper publishing or public relations, students must arrange a learning contract with the instructor at the beginning of each term. Prerequisites: junior/senior status, permission of instructor.

JCM 381. JOURNALISM INTERNSHIP 1-4 sh

An off-campus, advanced level work experience in journalism is offered on an individual basis when suitable opportunities can be arranged. Prerequisites: JCM 225, 325, junior/senior status, permission of instructor. Offered fall and spring.

JCM 382. BROADCAST INTERNSHIP 1-4 sh

An off-campus, advanced level work experience in broadcasting is offered on an individual basis when suitable opportunities can be arranged. Prerequisites: JCM 240, junior/senior status, permission of instructor. Offered fall and spring.

JCM 383. CORPORATE INTERNSHIP 1-4 sh

An off-campus, advanced level work experience in corporate communications is offered on an individual basis when suitable opportunities can be arranged. Prerequisites: JCM 240 or 325, junior/senior status, permission of instructor. Offered fall and spring.

JCM 387. WEB PUBLISHING AND DESIGN 4 sh

Students develop an understanding of on-line publishin: the effective use of this vehicle as a publication tool and its impact on society. Students will experiment with diverse ways of using different media such as text, graphics, sound and video to effectively get their ideas across.

JCM 384. FILM PRODUCTION INTERNSHIP

1-4 sh

An off-campus, advanced level work experience in film production is offered on an individual basis when suitable opportunities can be arranged. Prerequisites: junior/senior status, permission of instructor. Offered fall, winter, spring and summer.

JCM 390. FILM CENSORSHIP

4 sh

The focus of this course is on the evolution of film censorship in the United States. Some films that have been suppressed or censored will be viewed and discussed in class. Students will study this topic within the framework of first amendment rights guaranteed by the U.S. Constitution.

JCM 425. ADVANCED REPORTING

4 sh

This study of sophisticated reporting techniques includes investigative reporting techniques and the editor's role in covering community news. The campus newspaper, The Pendulum, serves as a lab. Prerequisites: JCM 218 and JCM 225. Offered fall.

JCM 430. TV NEWS REPORTING

4 sh

In an advanced study of electronic news gathering, students analyze current examples of news and public affairs programming as well as research, write, edit and produce television news packages to be assembled into television newscasts. Prerequisites: JCM 218, JCM 240 and JCM 330.

JCM 460. INTERNATIONAL COMMUNICATIONS

4 sh

Students examine the media systems of many countries, stressing the chief problem of communications across cultural,

economic, sociological and political barriers.

JCM 462. POLITICS IN MASS MEDIA

4 sh

This course examines the effects of mass media on the American political system and traces the evolution of media impact from print journalism through radio and television.

JCM 463. THE AUTEUR DIRECTOR

4 sh

The auteur theory proposes that the greatest moves are dominated by the personal vision of one person, the director. This course examines the career of a specific director, emphasizing his/her auteur characteristics. Students view selected films from the directors filmography and prepare a paper on a particular auteur characteristic.

JCM 465. MEDIA LAW & ETHICS

4 sh

Study covers law and ethics in print journalism and broadcasting with particular emphasis on libel laws, invasion of privacy, free press, fair trial, obscenity and pornography, censorship and federal regulations of broadcasting content. Offered fall and spring.

JCM 490. RESEARCH METHODS

4 sh

This course presents the theoretical and methodological knowledge necessary to conduct mass communication research, political polling, marketing research and the reporting of research.

JCM 491. INDEPENDENT STUDY

1-4 sh

JCM 495. SENIOR SEMINAR

4 sh

This capstone course for majors examines current issues and research in journalism, broadcast communications and corporate communications and film. Students demonstrate competence in areas (such as communication theory, history and law) through projects and examinations. Prerequisite: senior status. (Students must pass this course with a grade of "C-" or better.) Offered fall and spring.

LEISURE/SPORT MANAGEMENT

Chair, Department of Health Promotion, Leisure and Human Performance: Professor Calhoun

Professors: Beedle, J.P. Brown

Associate Professors: Drummond, Farmer

Assistant Professors: Davis, Miller

The Department of Health Promotion, Leisure and Human Performance offers majors in Health Education, Leisure/Sport Management, Physical Education and Sports Medicine: Exercise Sports Science and Sports Medicine: Athletic Training.

Study in Elon's Leisure/Sport Management program offers excellent preparation for those wishing to enhance quality of life for themselves and others through leisure opportunity. Specifically, students develop a philosophical foundation in leisure and sport, acquire a knowledge base in business administration, study interpersonal skills applicable to the leisure setting and learn by active participation.

A major in Leisure/Sport Management requires the following courses:

LSM 212	Introduction to Leisure/Sport Management	4 sh
LSM 326	Planning and Maintenance Management	4 sh
LSM 327	Leisure/Sport Programming	4 sh
LSM 425	Leisure and the Environment	2 sh
LSM 461	Senior Seminar	4 sh
LSM 481	Internship in Leisure/Sport Management	6 sh
PED 305	Legal Aspects in HPEL	2 sh
PED 410	Organization and Administration	4 sh
HED 220	First Aid	1 sh
SPM 432	Research Methods	4 sh
ACC 201	Introduction to Financial Accounting	4 sh
BUS 302	Business Communications	4 sh
BUS 311	Principles of Marketing	4 sh
PUB 231	Introduction to Public Administration	4 sh
TOTAL		51 sh

A minor in Leisure/Sport Management requires the following courses:

LSM 212	Introduction to Leisure/Sport Management	4 sh
LSM 326	Planning and Maintenance Management	4 sh
LSM 327	Leadership and Programming	4 sh
LSM 425	Leisure and the Environment	2 sh
LSM 461	Senior Seminar	4 sh
TOTAL		18 sh

LSM 212. INTRODUCTION TO LEISURE/SPORT MANAGEMENT

4 sh

An introduction to leisure/sport manage-

ment fundamentals emphasizing the role and relevance of each to society. Students study terminology, philosophies and

evolution of leisure, internal and external recreation factors, leisure concepts and contemporary issues. Offered fall and spring.

LSM 325. LEISURE AND AGING 3 sh

Students examine the leisure needs and characteristics of older adults, focusing on problems inherent in leisure service delivery systems for aging clientele. (LSM 325 is the same as HUS 325.)

LSM 326. FACILITY PLANNING AND MAINTENANCE MANAGEMENT 4 sh

This study focuses on area and facility planning and maintenance principles in leisure settings, including developing a master plan, and analyzing the relationship of maintenance and planning to risk management, visitor control, vandalism and law enforcement. Offered fall.

LSM 327. LEADERSHIP AND PROGRAMMING 4 sh

Students study the principles of leadership and group dynamics as they apply to leisure activity programming and learn to identify, develop and apply component skills such as needs assessment, inventory, evaluation, etc. Offered fall.

LSM 425. LEISURE AND THE ENVIRONMENT 2 sh

This course examines relationships between outdoor recreation and the natural environment, including such topics as spiritual relationships of recreation to nature, social and psychological aspects of

the outdoor experience and resource policies. Offered spring.

LSM 461. SENIOR SEMINAR 4 sh

Students review their major work and education and demonstrate ability to analyze contemporary issues/problems in leisure and sport management. Offered spring.

LSM 481. INTERNSHIP IN LEISURE/SPORT MANAGEMENT 6 sh

This course provides students with 240 supervised hours (agency/college) of experiential exposure in the area of their vocational interest. Students demonstrate knowledge, skills, abilities and competencies in the areas of: organization and administration, leadership techniques, program planning and implementation, fiscal administration, personnel development and supervision, public and political relations and area/facility planning, development and maintenance. Students will submit the following to the academic supervisor: learning objectives; weekly reports; and an agency survey showing comprehensive knowledge of the agency. Arrangements with a professor should be made prior to the semester in which the internship is taken. Prerequisite: Must have a 2.0 GPA in the major; for majors only. Offered fall, spring and summer.

LSM 491. INDEPENDENT STUDY 1-4 sh

LSM 499. RESEARCH IN LEISURE/SPORT MANAGEMENT 1-4 sh

MATHEMATICS

Chair, Department of Mathematics: Associate Professor Clark

Professors: Francis, Haworth, W. Hightower, Reichard

Associate Professors: Barbee, T. Johnson, Richardson

Assistant Professors: Allis, Nawrocki, Lee, Russell

Adjunct Instructors: M. Johnson, Walton, Whiffen

The Department of Mathematics offers programs leading to the A.B. or B.S. degree with a major in mathematics. A minor in mathematics is available for students majoring in another discipline.

Mathematics is an excellent major for the student whose immediate objective is to acquire a good liberal arts education. Students who complete a bachelor's degree in math-

ematics may choose several post-graduate alternatives, including an advanced degree in either mathematics or another closely related field (computer science, biometry, information science, statistics, operations research).

Students who combine mathematics with another discipline that uses mathematics can also pursue graduate work in the second discipline. These areas include biology, chemistry, economics, medicine, physics and many of the social science disciplines. In addition, mathematics majors may teach at the secondary level or work in business, industry or government positions which emphasize analytical reasoning.

The Bachelor of Arts and the Bachelor of Science degrees in Mathematics

require the following Core Courses:

MTH 121	Calculus and Analytic Geometry I	4 sh
MTH 221	Calculus and Analytic Geometry II	4 sh
MTH 231	Mathematical Reasoning	4 sh
MTH 311	Linear Algebra	4 sh
MTH 312	Abstract Algebra	4 sh
MTH 321	Calculus and Analytic Geometry III	4 sh
MTH 425	Analysis	4 sh
MTH 361	Seminar I	2 sh
MTH 461	Seminar II	2 sh
TOTAL		32 sh

A Bachelor of Arts Degree in Mathematics requires the following courses:

Core Courses in Mathematics	32 sh
One course selected from	4 sh
MTH 331 Modern Geometry	
MTH 341 Probability & Statistics	
MTH 351 Theory of Computation	
MTH 415 Numerical Analysis	
MTH 421 Differential Equations	
MTH elective(s) at the 300-400 level (excluding MTH 481)	4 sh
CSC 130 Computational Programming	4 sh
PHY 113 Physics W/Calculus I	4 sh
TOTAL	48 sh

A Bachelor of Science Degree in Mathematics requires the following courses:

Core Courses in Mathematics	32 sh
One course selected from	4 sh
MTH 331 Modern Geometry	
MTH 341 Probability & Statistics	
MTH 351 Theory of Computation	
MTH 415 Numerical Analysis	
MTH 421 Differential Equations	
MTH elective(s) at the 300-400 level (excluding MTH 481)	4 sh
CSC 130 Computational Programming	4 sh

One CSC course numbered above 130	4 sh
PHY 113 Physics W/ Calculus I	4 sh
PHY 114 Physics W/ Calculus II	4 sh
TOTAL	56 sh

Secondary Teaching Certification in Mathematics

Students planning to teach Mathematics at the secondary level must complete a Bachelor of Arts or Bachelor of Science degree in mathematics and include MTH 331 and 341 among the Mathematics requirements, in addition to the required professional education courses (see professional education course requirements listed under Education Department).

A Bachelor of Science Degree in Engineering Mathematics: See requirements listed under the Department of Engineering.

A minor in Mathematics requires the following courses:

MTH 121 Calculus and Analytic Geometry I	4 sh
MTH 221 Calculus II	4 sh
MTH 231 Mathematical Reasoning	4 sh
MTH 311 Linear Algebra	4 sh
Elective(s) from MTH 114 or Mathematics courses numbered 200 or above (excluding MTH 210 and MTH 481)	
Computer Science courses, or Economics 202	4 sh
TOTAL	20 sh

A student may exempt Mathematics 111, 115, and/or 121 by demonstrating proficiency.

Once a student has received credit, including transfer credit for a course, credit may not be received for any course with material that is equivalent to it or is a prerequisite for it, without permission of the Mathematics Department.

MTH 100. INTERMEDIATE ALGEBRA 4 sh

This course strengthens fundamentals such as exponents, factoring, equation solving, rational expressions, radicals, quadratic equations and graphing of first-degree equations. MTH 100 or demonstrated competence is required of all students. Must be completed with "C-" or better before taking any other mathematics course. Does not satisfy general studies requirement in Mathematics. A graphing calculator is required. No credit to students having passed MTH 110 or 111, or a course with MTH 111 prerequisite. Offered fall and spring.

MTH 110. THE NATURE OF MATHEMATICS 4 sh

This course provides insight into the nature of mathematics, emphasizing reasoning, communicating mathematical ideas, applications and quantitative skills. Topics include the mathematics of social choice, the mathematics of voting, weighted voting systems, fair division, graph theory and its role as a tool in modeling and solving real world problems, population growth, linear growth, exponential growth, sequences and series, recursive definition of sequences and the use of recursion and technology to model real world processes, statistics and probability. Prerequisite: MTH 100 or

placement exemption. No credit to students with prior credit for MTH 114 or higher (unless the major is middle grades education). Offered fall, winter and spring.

MTH 111. COLLEGE ALGEBRA WITH APPLICATIONS 4 sh

This course provides a study of algebraic and geometric models of various functions and relations using a graphing calculator and traditional methods. Application to "real world" problems is emphasized. Topics include real and complex numbers, systems of equations, relations, functions and graphs. A graphing calculator is required. Prerequisite: MTH 100 or placement exemption. No credit to students with prior credit for MTH 115 or higher. Offered fall, winter and spring.

MTH 114. ELEMENTARY STATISTICS 4 sh

Students needing a general overview of modern statistics study topics such as organization of data, measures of central tendency and variability, normal distribution, sampling, tests of hypothesis, estimation, correlation and regression. A graphing calculator is required. Prerequisite: MTH 110 or 111 or placement exemption. No credit for both ECO 202 and MTH 114. Offered fall, winter and spring.

MTH 115. TRIGONOMETRY 4 sh

This course provides a study of algebraic, trigonometric, exponential and logarithmic functions and their behavior. Constructing, analyzing and describing mathematical models of everyday phenomena is emphasized. A graphing calculator is required. Prerequisite: MTH 111 or placement exemption. Offered fall and winter.

MTH 116. APPLIED MATHEMATICS WITH CALCULUS 4 sh

This introduction to linear systems and differential calculus emphasizes applications to problem-solving in business and economics. Students gain enhanced ability to analyze a problem mathematically and study the following topics: functions, limits, derivatives and applications of derivatives. No credit for students with MTH 121 or

its exemption. Prerequisite: MTH 111 or placement exemption. Offered fall, winter and spring.

MTH 121. CALCULUS AND ANALYTIC GEOMETRY I 4 sh

Students are introduced to analytic geometry, functions, limits and continuity, differentiation of algebraic functions with applications, the definite integral and the fundamental theorem of integral calculus. A graphing calculator is required. Prerequisite: MTH 115 or placement exemption. Offered fall and spring.

MTH 210. MATHEMATICS FOR ELEMENTARY AND MIDDLE GRADES TEACHERS 4 sh

This course is open only to students majoring in elementary education, special education or middle grades education with a concentration in mathematics. Topics include problem solving, numeration systems, set theory, rational and irrational numbers (concepts, operations, properties, and algorithms), geometry, measurement and selected topics in probability and statistics. Prerequisite: general studies mathematics requirement. Offered fall and spring.

MTH 221. CALCULUS AND ANALYTIC GEOMETRY II 4 sh

Students explore applications of the definite integral, differentiation and integration of transcendental functions, techniques of integration, indeterminate forms, improper integrals, infinite sequences and series. A graphing calculator is required. Prerequisite: MTH 121. Offered fall and spring.

MTH 231. MATHEMATICAL REASONING 4 sh

This study of proof techniques and reasoning skills introduces the student to another side of mathematics, namely proof. The student's preceding courses (e.g. precalculus and calculus) usually focus on calculations. Topics include mathematical logic, sets, mathematical induction, combinatorics, relations and countability arguments. Approved for advanced level designation. Prerequisite: MTH 121. Offered fall and spring.

MTH 311. LINEAR ALGEBRA 4 sh

This introductory course in linear algebra includes systems of linear equations, matrices, determinants, vector spaces, eigenvalues, eigenvectors, orthogonality, and linear transformations. Proofs of the major theorems and a variety of applications are also covered. Prerequisites: MTH 221 and 231. Offered fall and spring.

MTH 312. ABSTRACT ALGEBRA 4 sh

Students who have had an introduction to the rules of logic and proof-construction are introduced to abstract algebra, including topics such as functions, groups (cyclic, permutation, normal, and quotient), properties of groups, rings, fields, homomorphisms, isomorphisms, real and complex numbers and polynomials. Prerequisites: MTH 231 and 311. Offered spring.

MTH 321. CALCULUS AND ANALYTIC GEOMETRY III 4 sh

This course provides a study of advanced techniques of differential and integral calculus, including plane curves and polar coordinates, 3-dimensional analytic geometry including vectors, differentiation and integration of multivariable functions, applications. A graphing calculator is required. Prerequisite: MTH 221. Offered fall.

MTH 331. MODERN GEOMETRY 4 sh

This rigorous treatment of axiomatic foundations of Euclidean geometry through Hilbert's axioms includes the role and independence of the parallel postulate (revealed through models and neutral geometry), straightedge and compass constructions, historical and philosophical implications of the discovery of non-Euclidean geometry, with an introduction to both hyperbolic and elliptic geometry. Prerequisite: MTH 231. Offered fall of odd-numbered years.

MTH 341. PROBABILITY THEORY AND STATISTICS 4 sh

Topics include axiomatic probability, counting principles, discrete and continuous random variables and their distributions, sampling distributions, central limit

theorem, confidence intervals and hypothesis testing. Prerequisites: MTH 221 and 231. Offered fall of even-numbered years.

MTH 351. THEORY OF COMPUTATION 4 sh

(Same course as CSC 351. See CSC 351 for description.)

MTH 361. SEMINAR I 2 sh

This course prepares mathematics majors for Seminar II, the capstone seminar, by instruction and experience in library research and formal oral presentations on advanced mathematical topics selected by the instructor and students. Prerequisite: junior/senior standing or permission of the mathematics department. Offered spring.

MTH 371. SPECIAL TOPICS 2-4 sh

Topics are selected to meet the needs and interests of students.

MTH 415. NUMERICAL ANALYSIS 4 sh

This introduction to numerical analysis includes floating point arithmetic, interpolation, approximation, numerical integration and differentiation, nonlinear equations and linear systems of equations. Prerequisites: CSC 130, MTH 311 and 321, or permission of the instructor. (CSC 415 is the same as MTH 415.) Offered spring of even numbered years.

MTH 421. DIFFERENTIAL EQUATIONS 4 sh

Topics in this in-depth study of methods of solution and applications of ordinary differential equations include first order differential equations (linear and nonlinear), linear differential equations of higher order, mathematical models using second order equations, systems of differential equations and numerical techniques including Euler, Improved Euler and the Runge-Kutta method. Computers or programmable calculators may be used. Prerequisite: MTH 321. Offered spring of odd-numbered years.

MTH 425. ANALYSIS 4 sh

This course provides in-depth study of topics introduced in the 3-course calculus sequence, including sequences and series, continuity and differentiation of functions of a single variable, the Riemann integral,

and the fundamental theorem of calculus.
Prerequisites: MTH 312 and 321. Offered fall.

MTH 461. SEMINAR II 2 sh

In this capstone experience for senior mathematics majors, students conduct extensive research on a mathematical topic and formally present their work in writing and orally. Course requirements include a satisfactory score on the ETS major field achievement test. Prerequisite: MTH 361 and junior/senior standing, or permission of the department. Offered fall.

MTH 471. SPECIAL TOPICS 2-4 sh

Topics are selected to meet the needs and

interests of the students.

MTH 481. INTERNSHIP IN MATHEMATICS 1 - 4 sh

The internship provides advanced work experiences in some aspect of mathematical sciences and is offered on an individual basis when suitable opportunities can be arranged. Prerequisite: Permission of the department.

MTH 491. INDEPENDENT STUDY 1 - 4 sh

Prerequisite: Permission of the department. May be repeated with different topics for up to a total of eight semester hours.

184

MEDICAL TECHNOLOGY

Chair, Department of Biology and Allied Health: Professor House

Program Director: O'Laughlin

Medical Director: Steuterman

College Program Director: H. House

See Biology

MILITARY SCIENCE

Elon College, in cooperative agreement with North Carolina A&T State University, offers an Army Reserve Officers' Training Corps (ROTC) program.

The Army Reserve Officers' Training Corps program provides a viable elective program for both male and female students. The program is divided into a basic course and an advanced course. These are normally completed during a four-year period. However, it is possible for veterans and other students who elect to undergo special training to complete the program in two years.

PROGRAMS OF INSTRUCTION

Programs of instruction for the Army ROTC include a four-year program and a two-year program. The four-year program consists of a two-year basic course, a two-year advanced course and the advanced ROTC Summer Camp. The two-year program encompasses a basic ROTC Summer Camp, a two-year advanced course and the advanced ROTC Summer Camp.

BASIC COURSE

The basic course is normally taken during the freshman and sophomore years. The purpose of this instruction is to introduce the student to basic military subjects: branches of the Army, familiarization with basic weapons, equipment and techniques, military organization and functions and the techniques of leadership and command. It is from the students who successfully complete this instruction that the best qualified are selected for the advanced course which leads to an officer's commission.

Credit for the basic course can be obtained by successful completion of the following courses:

MSC 111	Introduction of Citizen/Soldier	1 sh
MSC 112	Introduction to U.S. Military Forces	1 sh
MSC 141, 142	Leadership Laboratory	1 sh/ea
MSC 211	Development of Professional Military Skills I	1 sh
MSC 212	Development of Professional Military Skills II	1 sh
MSC 241, 242	Leadership Laboratory	1 sh/ea
TOTAL		8 sh

Successful completion of Military Science 251, or prior service in the Armed Forces, can be used to obtain appropriate credit for the basic course.

185

ADVANCED COURSE

Students who receive appropriate credit for the basic course and meet eligibility standards are admitted to the advanced course on a best qualified basis. Successful completion of the advanced course qualifies the student for a commission as a Second Lieutenant in one of the branches of the United States Army, Army Reserves or Army National Guard. The following courses are required for completion of the advanced course:

MSC 311	Leadership Training	2 sh
MSC 312	Introduction to Military Team Theory	2 sh
MSC 341, 342	Leadership Laboratory	1 sh/ea
MSC 351.	Army ROTC Advanced Camp	4 sh
MSC 411.	Seminars in Leadership and Professional Development	2 sh
MSC 412.	Leadership, Law and Ethics	2 sh
MSC 441, 442.	Leadership Laboratory	1 sh/ea
Total		16 sh

TWO-YEAR PROGRAM

This program is designed for junior college students or sophomores at four-year institutions who have not taken ROTC. A basic six week summer training period after the sophomore year takes the place of the basic course required of students in the traditional four-year program. When a student with two years of college has successfully completed the basic summer training, he/she is eligible for the advanced ROTC course in his/her junior and senior years. The advanced course, which leads to an officer commission, is the same for

students in either the two-year program or the four-year programs.

skills. Topics of training include leadership, drill and ceremonies, first aid and general military subjects.

MSC 111. INTRODUCTION OF CITIZEN/SOLDIER	1 sh
MSC 112. INTRODUCTION TO U.S. MILITARY FORCES	1 sh

Introduction to U.S. Military Forces provides an introduction to and fosters the early development of leadership and soldier

MSC 141,142. LEADERSHIP LABORATORY (each semester)	1 sh
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Hands-on, practical training is the focus of the Leadership Laboratory. Students become proficient in basic military skills, drill and ceremonies, first aid and conducting

inspections. Attention is also given to individual arms and marksmanship techniques.

MSC 211. DEVELOPMENT OF PROFESSIONAL MILITARY SKILLS I *1 sh*

This course continues the development of cadet leadership and critical skills. Training is basic in scope and includes leadership, written and oral communications, physical fitness and general military subjects.

186 MSC 212. DEVELOPMENT OF PROFESSIONAL MILITARY SKILLS II *1 sh*

Instruction in the second part of this sequence expands the students' frame of reference to include an understanding of roles and responsibilities and fosters internalization of the Professional Army Ethic. Training is basic in scope and includes written and oral communication, military skills, professional knowledge subjects and physical fitness.

MSC 241, 242. LEADERSHIP LABORATORY (each semester) *1 sh*

This Leadership Laboratory serves as a learning laboratory for hands-on practical experiences. Training includes instruction on operations, tactics, land navigation, first aid and general military subjects. Key course components emphasize the functions, duties and responsibilities of junior noncommissioned officers. The primary focus is the continued development of leadership potential through practical experience. The APFT is given to assess the state of physical development.

MSC 251. ARMY ROTC BASIC CAMP *4 sh*

Basic Camp is six weeks of training at Fort Knox, KY, consisting of Army history, role and mission, map reading/land navigation, rifle marksmanship, basic leadership techniques, physical training/marches, individual and unit tactics, communications. This course can be taken by rising juniors to substitute for MSC 111, 112, 141, 142, 211, 212, 241, 242. Prerequisite: qualification tests.

MSC 311. LEADERSHIP TRAINING *2 sh*

Designed to prepare cadets for the full range

of responsibilities associated with Advanced Camp. Leadership Training refines the leader development process. Instruction is supplementary in scope and includes leadership, written and oral communications, operations, tactics and general military subjects.

MSC 312. INTRODUCTION TO MILITARY TEAM THEORY *2 sh*

This course emphasizes the development of intermediate level cadet leader skills in preparation for Advanced Camp. Training is supplementary in scope and includes leadership, written and oral communications, operations, tactics, land navigation, weapons and general military subjects.

MSC 341, 342. LEADERSHIP LABORATORY (each semester) *1 sh*

In this learning laboratory for hands-on practical experiences, the focus is on soldier team development at a squad/patrol level and supplementary training includes land navigation and weapons. Emphasis is also placed on the development of intermediate leader skills in a field environment. The APFT is administered to assess physical development.

MSC 351. ARMY ROTC ADVANCED CAMP *4 sh*

Normally taken the summer following the junior year, the six-week Advanced Camp training/internship is conducted at designated U.S. Army installations. Prerequisite: MSC 312.

MSC 411. SEMINARS IN LEADERSHIP AND PROFESSIONAL DEVELOPMENT *2 sh*

Cadets develop leadership, technical and tactical skills through performance as a trainer/supervisor. Supplementary training includes leadership, written and oral communications, operations and tactics, physical fitness, training management and general military subjects. The focus gradually shifts to familiarize the student with future assignments as an officer.

MSC 412. LEADERSHIP, LAW AND ETHICS *2 sh*

Leadership, Law and Ethics continues the development of critical leadership skills. Training includes leadership, ethics, professionalism, law, written and oral communica-

tions, operations, tactics and general military subjects. The course culminates with instruction on making the transition to the Officer Corps.

MSC 441,442. LEADERSHIP LABORATORY (each semester) 1 sh

Hands-on practical experiences reinforce cadet training, which is designed to solidify the commitment to officership, reinforce individual competencies and afford maximum practical officer leadership experiences. The laboratory emphasizes the functions, duties and responsibilities of

junior Army officers, with special attention directed to developing advanced leadership skills through active participation in planning and conducting military drills, ceremonies and field training.

MSC 451. AIRBORNE TRAINING 3 sh

Three weeks of intensive airborne training includes physical conditioning, landing techniques, parachute safety, simulated jumps, procedures in and around aircraft and five combat jumps from Air Force aircraft at 1,250 feet. Selection for this opportunity is highly competitive. Only a few cadets nationwide are accepted.

MUSIC

Chair, Department of Music: Professor Bragg

Associate Professors: Erdmann, Fischer

Adjunct Professor: Artley

Adjunct Instructors: Cykert, Dula, Eagle, King, LaRocco, McMillian, Metzger, Novine-Whitaker, Payne, Ramaswamy, Reed, Sullivan

The Department of Music at Elon College offers three music degrees. The B.S. in Music Education is for those students who wish to teach in elementary, middle or high school music programs. The program is a collaborative effort between the Music Department and the Education Department. The A.B. in Music Performance is for those students who wish to emphasize the study of instrumental or vocal music. Students in this program will be expected to become accomplished performers while developing a solid base in theory, composition and history. The A.B. in Music is primarily for those students who do not wish to concentrate on a performance area or who wish to double major in another liberal arts department. Students in this program will have a continuing background in musical performance through participation in ensembles of their choice and private lessons.

The major in Music requires the following courses:

HST 112	History of Western Civilization	4 sh
MUS 111	The Materials of Music I	3 sh
MUS 112	The Materials of Music II	3 sh
MUS 211	The Materials of Music III	3 sh
MUS 212	The Materials of Music IV	3 sh
MUS 154	Piano Class I	1 sh
MUS 155	Piano Class II	1 sh
MUS 315	The Music of Ancient Times Through Mozart	4 sh
MUS 316	Music History from Beethoven to Present Day	4 sh
MUS 495	Senior Seminar	2-4 sh

In addition, each music major must complete:

- | | |
|---|--------|
| (a) Eight semester hours Music electives at 300-400 level | 8 sh |
| (b) Four semesters of applied music lessons | 4-8 sh |
| (c) Ensembles | 4 sh |

The major in Music Education requires the following courses:

HST 112	History of Western Civilization	4 sh
MUS 111	The Materials of Music I	3 sh
MUS 112	The Materials of Music II	3 sh
MUS 113	Aural Skills I	1 sh
MUS 114	Aural Skills II	1 sh
MUS 211	The Materials of Music III	3 sh
MUS 212	The Materials of Music IV	3 sh
MUS 213	Aural Skills III	1 sh
MUS 214	Aural Skills IV	1 sh
MUS 313	Form and Analysis	2 sh
MUS 315	The Music of Ancient Times Through Mozart	4 sh
MUS 316	Music History from Beethoven to Present Day	4 sh
MUS 361	Percussion Techniques	1 sh
MUS 362	Brass Techniques	1 sh
MUS 363	Woodwind Techniques	1 sh
MUS 364	String Techniques	1 sh
MUS 366	Conducting	2 sh
MUS 411	Instrumental and Choral Arranging	2 sh
MUS 413	Twentieth Century Techniques	2 sh
MUS 461	Music Education in the Public Schools	4 sh

In addition, each Music Education major must complete:

- | | |
|---|---------|
| (a) Applied music lessons, at least one semester at 300 level | 6-12 sh |
| (b) Half-recital accepted by music faculty | |
| (c) Ensemble from Music 101, 102, 103, and 105 | 8 sh |
| (d) Keyboard proficiency | |
| (e) Concert attendance as outlined in the Music Student Handbook. | |

TOTAL**58-64 sh**

In addition, vocal majors must take MUS 258, Diction for Singers.

The music student must also complete the required professional education courses and observe the requirements for the teacher education program as outlined under Education.

The major in Music Performance requires the following courses:

HST 112	History of Western Civilization	4 sh
MUS 111	The Materials of Music I	3 sh
MUS 112	The Materials of Music II	3 sh
MUS 113	Aural Skills I	1 sh
MUS 114	Aural Skills II	1 sh
MUS 211	The Materials of Music III	3 sh
MUS 212	The Materials of Music IV	3 sh
MUS 213	Aural Skills III	1 sh
MUS 214	Aural Skills IV	1 sh
MUS 313	Form and Analysis	2 sh
MUS 315	The Music of Ancient Times Through Mozart	4 sh

MUS 316	Music History from Beethoven to Present Day	4 sh
MUS 413	Twentieth Century Techniques	2 sh
A choice of one of the following:		2 sh
MUS 366	Conducting	
MUS 369	Methods and Materials of Piano Pedagogy	
MUS 411	Instrumental and Choral Arranging	

In addition, each Music Performance major must complete:

- (a) Applied music lessons, at least one semester at the 400 level 7-14 sh
- (b) Half solo recital at the 300 level
- (c) Full solo recital at the 400 level
- (d) Ensemble from Music 101, 102, 103, and 105 (8 sh)
- (e) Keyboard proficiency
- (f) Concert attendance as outlined in the Music Student Handbook.

TOTAL	49-56 sh
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In addition, vocal majors must take MUS 258, Diction for Singers.

A **minor in Music** requires 20 semester hours. Students lacking functional knowledge of the keyboard must accumulate two semester hours in piano either prior to, or simultaneously with their enrollment in Music 111 and 112.

The following courses are required:

MUS 111	The Materials of Music I	3 sh
MUS 112	The Materials of Music II	3 sh

A choice of one of the following: 4 sh

- MUS 303 Music History for the Liberal Arts Student
- MUS 315 The Music of Ancient Times Through Mozart
- MUS 316 Music History from Beethoven to Present Day
- MUS 319 History of American Music

In addition, each Music Minor must complete:

- (a) One medium of applied music instruction 6 sh
- (b) Ensemble from MUS 101, 102, 103, and 105 4 sh

TOTAL	20 sh
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APPLIED MUSIC:

INDIVIDUAL AND GROUP INSTRUCTION

Music majors/minors register for the appropriate level and area of applied music study as determined by audition and consultation with their advisor or the department chair. With permission of the department, the general college student may register for any course in applied music. Weekly 30-minute lesson: 1 sh credit (Section A). Weekly 60-minute lesson:

2 sh credit (Section B). A special fee is required for non-majors.

APPLIED MUSIC: INDIVIDUAL INSTRUCTION

Piano: 120, 220, 320, 420
 Organ: 121, 221, 321, 421
 Voice: 122, 222, 322, 422
 Trumpet: 123, 223, 323, 423
 French Horn: 124, 224, 324, 424
 Trombone: 125, 225, 325, 425
 Baritone (Euphonium): 126, 226, 326, 426
 Tuba: 127, 227, 327, 427
 Flute: 128, 228, 328, 428

Oboe: 129, 229, 329, 429
 Clarinet: 130, 230, 330, 430
 Bassoon: 131, 231, 331, 431
 Saxophone: 132, 232, 332, 432
 Violin: 133, 233, 333, 433
 Viola: 134, 234, 334, 434
 Cello: 135, 235, 335, 435
 String Bass: 136, 236, 336, 436
 Guitar: 137, 237, 337, 437
 Percussion: 138, 238, 338, 438
 Electric Bass: 139, 239, 339, 439

190

APPLIED MUSIC CLASSES: GROUP INSTRUCTION

MUS 152, 153. VOICE CLASS I & II 1 sh

Group voice instruction ranges from beginning to intermediate.

MUS 154-157. PIANO CLASS I-IV 1 sh

Group piano instruction ranges from beginner to intermediate.

MUS 158. GUITAR CLASS 1 sh

Beginners develop musical skills with the guitar—simple chords, melodies and songs—using elements of classical guitar techniques as a foundation.

MUS 258. DICTION FOR SINGERS 2 sh

Students learn to use the International Phonetic Alphabet and are introduced to the pronunciation of English, Latin, Italian, French and German as it applies to vocal literature. Required of voice majors.

MUSIC MATERIALS, STRUCTURES AND TECHNIQUES

MUS 111, 112. THE MATERIALS OF MUSIC 3 sh

A study of the fundamentals of music, diatonic harmony and elementary voice-leading and part-writing includes an introduction to harmonic-melodic form, analysis and synthesis of harmonic practices through secondary seventh chords. Offered fall and spring.

MUS 113, 114. AURAL SKILLS I & II 1 sh

Study emphasizes melodic-harmonic-rhythmic dictation, sight singing and keyboard study. Offered fall and spring.

MUS 211, 212. THE MATERIALS OF MUSIC III & IV 3 sh

A continuation of Music 112 on an advanced level includes complex chromatic harmonies and emphasizes analysis and composition of standard musical forms. Prerequisite: MUS 112. Prerequisite for 212: MUS 211. Offered fall and spring.

MUS 213, 214. AURAL SKILLS III & IV 1 sh

These courses provide advanced study in melodic-harmonic-rhythmic dictation, sight singing and keyboard study. Prerequisite: MUS 114. Offered fall and spring.

MUS 254, 255. JAZZ IMPROVISATION I & II 1 sh

Instrumentalists or vocalists develop skills in improvisational jazz performance techniques.

MUS 311. COUNTERPOINT 4 sh

Analysis and composition of period works are part of the study of counterpoint from the 16th to 20th centuries with applications to various vocal and instrumental writings. Prerequisite: MUS 212.

MUS 313. FORM AND ANALYSIS 2 sh

Acquaints the student with the standard forms of tonal music through the aural and visual study of micro and macro forms of representative works. Offered fall of alternate years. Prerequisite: MUS 112

MUS 413. TWENTIETH CENTURY TECHNIQUES 2 sh

A study of the changes which have taken place in music of the twentieth century. Techniques to be studied include atonality, polytonality, serialism, integral serialism, dodecophony and electronic music. Offered spring of alternate years. Prerequisite: MUS 112.

MUS 411. INSTRUMENTAL AND CHORAL ARRANGING 2 sh

Students explore technical possibilities and limitations of individual instruments and voices. Study also covers arranging and transcribing for various combinations of instruments and voices. Prerequisite: MUS 112.

MUS 265-465. COMPOSITION 1 sh

Students write compositions integrating techniques of studied repertoire as they explore musical composition in weekly individual meetings with an instructor. Prerequisite: MUS 112 or permission of instructor.

LITERATURE AND HISTORY**MUS 216. THE STUFF OF MUSIC** 4 sh

Through a series of exercises, readings, outside class activities and class participation, students become familiar with the materials which form the basis of music, including instruments, notation and terminology. Hands-on application includes basic performance on rhythm instruments and composing simple music compositions.

MUS 217. WORLD MUSIC 4 sh

Text readings, listening, research, writing and class presentation are part of an introduction to the music of Asia, Eastern Europe, Africa, and Central and South America. Students gain increased awareness of the art and music of other cultures, make connections with their own art and folk traditions and search for shared meanings of all musical expression.

MUS 303. MUSIC HISTORY FOR THE LIBERAL ARTS STUDENT 4 sh

Non-music majors gain improved skills to enhance musical enjoyment, basic knowledge of music styles and events, and focus on placing this knowledge in the context of world events and trends. Study covers selected personalities and works in music through substantial reading, listening,

research and writing.

MUS 315. THE MUSIC OF ANCIENT TIMES THROUGH MOZART 4 sh

This survey of music through the Baroque period emphasizes Renaissance and Baroque counterpoint through reading, listening, analysis, research and writing. Students also explore counterpoint through original compositional exercises. Offered spring of alternate years. Prerequisite: MUS 112.

MUS 316. MUSIC HISTORY FROM BEETHOVEN TO PRESENT DAY 4 sh

By reading, listening, research and writing, students explore the relationship of 18th- and 19th-century music to the world – as the expression of artists responding to political, social and philosophical environments. The course also emphasizes the progressive study of formal analysis, from smaller forms to the large single and multi-movement genres of the period. Offered fall of alternate years. Prerequisite: MUS 112.

MUS 318. HISTORY OF JAZZ 4 sh

This overview of jazz music from about 1900 to the present is designed for the liberal arts major. Topics include jazz styles, individual musicians and the development and progress of jazz through the 20th century.

MUS 319. HISTORY OF AMERICAN MUSIC 4 sh

Study of American music from 1620 to the present focuses on elements of various musical cultures (i.e. Western and Eastern Europe, Africa, Latin America) that have influenced the American style of music.

MUSIC EDUCATION

The following technique courses are required for music majors seeking music teacher certification.

MUS 361	Percussion Techniques	1 sh
MUS 362	Brass Techniques	1 sh
MUS 363	Woodwind Techniques	1 sh
MUS 364	String Techniques	1 sh
MUS 366	Conducting	2 sh

Students develop skill in baton and rehearsal techniques and interpretation in training and leading various ensembles of instruments and voices.

**MUS 461. MUSIC EDUCATION
IN THE PUBLIC SCHOOLS** 4 sh

A study of the methods and materials suitable for teaching at all levels covers the administration of band, orchestra and choral programs in the public schools with additional emphasis on marching band techniques. Offered spring of alternate years. Prerequisite: MUS 112.

MUS 108. PERCUSSION ENSEMBLE 1 sh
By audition only.

OTHER OFFERINGS

**MUS 369. METHODS & MATERIALS OF PIANO
PEDAGOGY** 2 sh

Students interested in teaching piano in a private studio explore group and individual instructional techniques for beginning and intermediate students, suitable repertoire, basic keyboard musicianship and pupil psychology.

MUS 471. SEMINAR: SPECIAL TOPICS 1-4 sh
Small groups study under the guidance of a member of the staff.

MUS 491. INDEPENDENT STUDY 1-4 sh

MUS 495. SENIOR SEMINAR 2-4 sh

This capstone experience for music, music theatre and theatre arts majors includes a comprehensive evaluation of the student's previous education in the major field, a major project to demonstrate proficiency in the student's major area of interest or emphasis, and preparation of materials necessary for enrollment in graduate school or the profession.

ENSEMBLES

MUS 101. WIND ENSEMBLE 1 sh
Open to all students.

MUS 102. CHOIR 1 sh
Open to all students.

MUS 103. ORCHESTRA 1 sh
By audition only.

MUS 104. JAZZ ENSEMBLE 1 sh
By audition only.

MUS 105. CHAMBER SINGERS 1 sh
By audition only.

MUS 106. CHAMBER ENSEMBLE 1 sh
By audition only.

MUS 107. ÉLAN 1 sh
By audition only.

MUSIC THEATRE

Chair, Department of Performing Arts: Associate Professor McNeela

Professor: Bragg

Assistant Professors: Becherer, Rubeck, Wellford

Adjunct instructor: Johnson

The Department of Performing Arts offers a Bachelor of Fine Arts in Music Theatre, a degree geared toward the student who wishes to pursue a career in performance or graduate studies following graduation. Admission to the program requires an audition demonstrating initial talent.

Coursework within this major is designed to train students in the three essential skill areas for music theatre: music, acting and dance. Students take studio dance classes in Ballet, Jazz, Modern and Tap, studio voice lessons, music theory and a minimum of four semesters of acting. Further study includes the literature and history of music theatre.

Practical application of all aspects of study are expected through participation in department stage productions, concerts and recitals. Outreach to the professional world occurs throughout the course of study through participation in vocal, dance and theatre

festivals, conventions, auditions and competitions. The final result is an artist prepared for entry to the world of professional performance.

A major in Music Theatre requires the following courses:

MTE 301	History of Music Theatre	4 sh
MTE 302	Music Theatre Literature	4 sh
MTE 321	Performance in Music Theatre	4 sh
MTE 495	Senior Seminar	4 sh
MUS 111	Materials of Music I	3 sh
MUS 113	Aural Skills I	1 sh
MUS 114	Aural Skills II	1 sh
MUS 154	Piano Class	1 sh
THE 120	Voice & Movement	4 sh
THE 220	Performance Skills I	4 sh
THE 221	Performance Skills II	4 sh
DAN 306	Dance for the Musical Stage	1 sh

In addition, each major must complete the following:

- | | | |
|-----|---|-------|
| (a) | six semesters of private voice at appropriate level | 12 sh |
| (b) | six semesters of studio technique courses in dance with a minimum of one credit in each of the following:
Ballet, Jazz, Modern and Tap | 6 sh |
| (c) | electives selected from Music Theatre, Theatre Arts, Dance or Music | 14 sh |
| (d) | one semester hour of singing in an ensemble | 1 sh |

TOTAL	68 sh
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MTE 301. HISTORY OF MUSIC THEATRE 4 sh

This course, open to all students, explores the origins and development of music theatre, its theatrical conventions and major elements from the mid-18th century to the present. Offered fall or spring.

MTE 302. MUSIC THEATRE LITERATURE 4 sh

The purpose of this course is to expose the student to the staples of the music theatre literature, to develop a critical sensitivity to the medium and to enable analysis of music, plots, characters and situations in contemporary music theatre. Prerequisite: MUS 111, 113. Offered alternate years.

MTE 321. PERFORMANCE IN MUSIC THEATRE 4 sh

This performance-oriented course provides a systematic approach to achieving a high level of singing-acting skills. Students also receive training and practice in selecting,

preparing and presenting audition material. Prerequisites: MUS 122 B, THE 120, 220. Offered alternate years.

MTE 322. MUSIC THEATRE AND OPERA SCENE STUDY 4 sh

This performance-oriented course integrates music and theatre performance skills through the selection, development and presentation of partnered scenes from music theatre and opera repertoire. Prerequisites: two semesters of MUS 122 B or permission of instructor.

MTE 495. SENIOR SEMINAR 4 sh

This capstone experience for senior majors centers on a practical project which demonstrates proficiency in performance skills and preparation for graduate study or entry into the profession. Prerequisite: senior majors only. Offered fall.

NON-VIOLENCE STUDIES

Coordinator: Assistant Professor Cassebaum

Non-Violence Studies takes an interdisciplinary approach to seeking solutions to violence in its many forms. This program offers students the opportunity to critically analyze popular notions concerning the causes of violence and challenges them to consider a variety of other perspectives. By taking courses in a number of disciplines, all focused on the same topic, students are encouraged to integrate the methods and essential questions of fields including religion, political science, economics, literature, sociology, and psychology.

This minor is recommended for those interested in multi-cultural and international relations. The minor consists of a minimum of 20 semester hours, including a capstone course. An internship of 1-4 s.h. is strongly recommended.

A minor in Non-Violence Studies requires the following:

NVS 461-469 capstone course plus sixteen semester hours selected from the following courses or other approved newly offered courses from at least two different departments.

*ECO 371	Economic Justice	4 sh
*ENG 110-NV	College Writing: Writing About Poverty	4 sh
*ENG 370	Simple Living	4 sh
*ENG 372	Literature of Non-Violence	4 sh
GST/ENG 373	America and Vietnam	4 sh
HST 133	Civil Rights Movement	4 sh
HST 468	History of Social Movements in Post-Civil War America	4 sh
NVS 171	Introduction to Mediation	4 sh
NVS/POL 372	Politics of Non-Violence in U.S.	4 sh
PHL 115	Ethical Practice	4 sh
PHL 352	Eastern Philosophy	4 sh
POL 342	U.S. Foreign Policy Since 1939	4 sh
POL 367	Politics of Africa	4 sh
POL 368	Latin American Politics	4 sh
*POL 371	International Terrorism	4 sh
*POL 441	Peace, War, and Conflict Resolution	4 sh
PSY 357	Criminal Behavior	4 sh
*PSY 377	Psychology of Non-Violent Conflict Resolution	4 sh
*REL 279	Topics in Eastern Religion	4 sh
REL 345	Theology of Human Liberation	4 sh
REL 348	Environmental Ethics	4 sh
REL 353	Buddhism	4 sh
*REL 377	Feminist Ethics	4 sh
SOC 112	Introduction to Anthropology	4 sh
SOC 241	Social Issues and Problems	4 sh
SOC 341	Ethnic and Race Relations	4 sh
SOC 343	Social and Cultural Change	4 sh
*SOC 375	Non-Violence of the Brave	4 sh

TOTAL

20 sh

* Designates courses which are routinely offered, although not listed by title in the catalog.

**VNS 461-469 SEMINARS ON
NON-VIOLENCE**

4 sh

These seminars combine two or more interdisciplinary approaches to the problem of violence. Each will include exploration of non-violent approaches to conflict situations. Prerequisite: Two courses in non-violence studies.

**NVS 381 INTERNSHIP IN
NON-VIOLENCE STUDIES**

1-4 sh

Research, service, and occupational internships focusing on issues relating to violence and non-violence. Prerequisite: Two courses in non-violence studies and permission of the coordinator.

PHILOSOPHY

Chair, Department of Philosophy: Assistant Professor Lubling

Professor: Sullivan

Associate Professors: Batchelor, Weston

Assistant Professor: Cahill

Philosophy—the very name means “love of wisdom”—lies at the heart of a liberal arts education. Philosophy at Elon has both a wisdom orientation for exploring enduring human concerns and a practical intent to enhance our lives together and our care for the earth.

Philosophical study focuses on three sets of skills: 1) critical and constructive thinking—aiding students in identifying, analyzing and offering solutions to problems; 2) ethical practice—exploring ways to act wisely and effectively in our life with others, and 3) interpretive understanding—allowing students to bridge the meaning and value systems of diverse individuals, cultures and epochs.

Such skills are valuable for law and leadership, ministry and the helping professions, citizenship and service, and for deepening the quality of our lives. At 36 semester hours, the philosophy major is designed to allow room for a double major or a career-related minor.

A major in Philosophy requires the following courses:

PHL 113	Critical Thinking	4 sh
PHL 115	Ethical Practice	4 sh
PHL 331	Ancient Philosophy	4 sh
PHL 333	Modern Philosophy	4 sh
One course from among the following:		4 sh
PHL 431	Contemporary Philosophy	
PHL 432	American Philosophy	
PHL 433	Marx, Darwin, Freud	
Three courses chosen from any additional Philosophy offerings		12 sh
PHL 461	Integrative Tutorial	4 sh

TOTAL **36 sh**

A minor in Philosophy requires the following courses:

PHL 113	Critical Thinking	4 sh
PHL 115	Ethical Practice	4 sh
PHL 331	Ancient Philosophy	4 sh or
PHL 333	Modern Philosophy	4 sh
Two courses chosen from any additional philosophy offerings		8 sh

TOTAL **20 sh**

PHL 113. CRITICAL THINKING 4 sh

This foundation course in critical thinking introduces reading and listening skills, argument analysis and evaluation, and creative problem-solving methods. Such skills are valuable throughout life, from making effective presentations to promoting independent thinking. Offered fall and spring.

PHL 115. ETHICAL PRACTICE 4 sh

Ethical practice is a foundation course exploring ways to act wisely and effectively in our life with others. Drawing on the philosophical tradition and on critical examination of life situations, students engage such topics as personal integrity, sensitivity and fairness to others, and conditions for collaborative and respectful living. Offered fall and spring.

PHL 331. ANCIENT PHILOSOPHY 4 sh

This study of the origins of Western philosophy concentrates on the Golden Age of Greece, including such topics as Socrates, his predecessors, and his great successors, Plato and Aristotle. Students consider what it means to live a human life in a humane and liberating communal context. Offered at least once every two years.

PHL 332. MEDIEVAL PHILOSOPHY 4 sh

This study focuses on 12th and 13th century European intellectual developments, showing how Platonic and Aristotelian strands blend with Jewish, Christian and Islamic elements. Special topics include Bernard and Abelard, Averroes and Maimonides, Hildegard and Mechtild, Aquinas and Bonaventure, Dante and Eckhart.

PHL 333. MODERN PHILOSOPHY 4 sh

Discussion centers on crucial intellectual developments in the 17th and 18th centuries when the modern western world view arose. Specific attention is given to far-reaching changes in philosophical methods, theory of knowledge, new senses of self and world, and thinkers such as Descartes, Hume and Kant. Offered at least once every two years.

PHL 334. POLITICAL PHILOSOPHY 4 sh

Political Philosophy is a study of the roots of modern political thought, including such key 17th and 18th century developments as the case for sovereignty in the modern nation state, the rise of individual rights and the rationale for modern democracy. Major thinkers such as Hobbes, Locke and Rousseau are studied against the background of their turbulent times.

PHL 337. DANTE'S JOURNEY 4 sh

This course will follow Dante's journey as expressed in *The New Life* and the *Divine Comedy*. In the process of following Dante's journey, we will explore the phenomenon of courtly love, go through Hell together, learn the process of getting in touch with the more subtle obstacles to our growth as we climb the seven-storied mountain of Purgatory, and finally explore levels of consciousness that take us through the spheres of spiritual deepening to the Love that moves the sun and other stars.

PHL 341. PHILOSOPHY OF LAW 4 sh

This basic examination of the nature, function and limits of law gives attention to human rights and natural justice, law and morality, theories of punishment and questions of legal responsibility. The course is of particular interest to pre-law, business and political science students.

PHL 342. PHILOSOPHY AND SOCIETY 4 sh

This course pursues a philosophical approach to the relation of individuals and social institutions. Topics considered may include the nature and possibility of the social sciences, philosophy of technology and the nature of community.

PHL 343. AGES AND STAGES OF LIFE 4 sh

In an archetypal approach to the stages of life, this course draws from transpersonal psychology/philosophy and from myths and stories of the first and second halves of life. The study seeks practical insights from developmental psychology and various spiritual teachings to help students deal with crucial life issues.

HL 344. PHILOSOPHY OF SCIENCE 4 sh

Course study promotes the intelligent, critical assimilation of scientific information by developing a general framework for analyzing scientific claims. Topics include the structure of scientific reasoning, science in its cultural context, and the logical and other elements shaping scientific change.

HL 345. FEMINIST PHILOSOPHY 4 sh

This survey and application of feminist philosophies examines feminism as a liberative movement with distinct ethical and political arguments; feminism as a revaluation of much that is overlooked and dismissed in traditional culture; and other forms of feminism.

HL 348. ENVIRONMENTAL ETHICS 4 sh

Students explore the bearing of philosophical and religious ethics upon practical problems regarding the natural environment. This course also considers the possible need for new ethical frameworks to address the environmental crisis we now face. (Same course as REL 348.)

HL 352. EASTERN PHILOSOPHY 4 sh

Eastern Philosophy centers first on ancient China, exploring the Book of Changes and the thought of Lao Tzu and Confucius. The course continues with investigation of Buddha's insight, following Mahayana Buddhism into China, where it becomes Zen. Finally, the course examines the spirit of Zen and its influence on Japanese arts and culture.

HL 355. PHILOSOPHY OF RELIGION 4 sh

This course explores Eastern and Western approaches to religious experience and notes differences between the literal, moralistic (exoteric) and the symbolic, mystical (esoteric) understandings of any religion. Students examine parable, teaching story, paradox, and the problem of religious language and consider ways of assessing religious claims, communities and personal practices. (PHL 355 is the same as REL 355.)

PHL 371-379. SPECIAL TOPICS 4 sh

Special topics are variable courses of timely

and enduring interest. Past and current offerings include:

PHL 372 Philosophy of Education

PHL 373 Philosophy and the Holocaust

PHL 374 Philosophy of Love and Feminism

PHL 375 Philosophical Themes in the Films of Woody Allen

PHL 376 Philosophy of Camus

PHL 378 Law in Literature and Film

PHL 431. CONTEMPORARY PHILOSOPHY 4 sh

Students become acquainted with philosophical trends in the 20th century and develop appropriate skills of inquiry. The course surveys the changing landscape of philosophy in this volatile century and introduces students to key figures who have shaped that landscape.

PHL 432. AMERICAN PHILOSOPHY 4 sh

Focusing on the rich heritage of 19th and 20th century American thought from such figures as Emerson, Thoreau, Pierce, James, Dewey, and others, this course emphasizes the originality of American philosophy and its continuing relevance.

PHL 433. MARX, DARWIN, FREUD 4 sh

These revolutionary makers of the modern mind—Marx, Darwin and Freud—have had enduring influence on subsequent thought in such diverse fields as philosophy and politics, biology and religion, sociology and psychology. This course examines their work in light of more recent attempts to incorporate, reform and extend their insights.

PHL 461. INTEGRATIVE TUTORIAL 4 sh

This intensive set of discussions, readings and writing activities is designed to insure that graduating majors have achieved competency in critical, ethical and interpretive skills. This course will focus on a single contemporary topic chosen by the instructor. It will culminate with: (1) a final exam that will be graded by a committee of professors from the department, and (2) an

interview with a philosopher from outside of this institution. For majors only. Offered fall of senior year.

PHL 471. SEMINAR: SPECIAL TOPICS 4 sh

PHL 481. INTERNSHIP IN PHILOSOPHY 1-4 sh

The internship provides work experience in a setting that is rich with practical philo-

sophical problems. The goal is to enrich the student's appreciation of the link between philosophy and life. Offered on an individual basis when suitable opportunities can be arranged. Permission of the department is required.

PHL 491. INDEPENDENT STUDY

1-4 sh

198 PHYSICAL EDUCATION

Chair, Department of Health Promotion, Leisure and Human Performance: Professor Calhoun

Professors: Beedle, J.P. Brown, A. White

Associate Professor: Parham

Assistant Professors: Binkley, Davis, Leonard, Morningstar, Parham, Paul, Seagraves, Simons

Instructors: Apke, Haskins, Kennedy, Pharr, Reilly, Trevathan, Webster, Welch

The Department of Health Promotion, Leisure and Human Performance offers majors in Health Education, Leisure/Sport Management, Physical Education and Sports Medicine: Exercise Sports Science and Sports Medicine: Athletic Training.

The Physical Education curriculum is designed to prepare students to become teachers. The program is broad-based and includes evaluating and improving the student's psychomotor and cognitive skills through a wide range of activity courses, specialized theory courses and continued opportunity for applying these skills and concepts in laboratory settings.

Through this study students gain knowledge of the concepts and skills related to sport and physical activity. Graduates in this major are successful teachers and coaches and many pursue graduate degrees.

A major in Physical Education requires the following courses:

DAN 115	Folk, Square and Social Dance	1 sh
	Select any activities course	1 sh
PED 125	Skills and Activities for Teaching	3 sh
PED 211	History/Foundations of Sport/Physical Education	4 sh
PED 305	Legal Aspects of HPEL	2 sh
PED 310	Motor Learning Theory for Teaching and Coaching	4 sh
PED 321	Kinesiology	4 sh
PED 341	Theory of Coaching	2 sh
PED 360	Elementary Physical Education (K-6)	4 sh
PED 410	Organization and Administration	4 sh
PED 411	Measurement and Evaluation	4 sh
PED 423	Physical Education for the Exceptional Child	2 sh
HED 220	First Aid	1 sh
SPM 422	Physiology of Exercise	4 sh
BIO 161	Human Anatomy	4 sh
BIO 162	Human Physiology	4 sh

TOTAL

48 sh

Students desiring teacher certification in **physical education** must also take the professional studies requirements listed for Special Subjects areas (K-12) in the Department of Education. (EDU 450 not required).

The Health Education endorsement *(for students with teacher certification)*

requires the following courses:

EDU 427	Materials and Methods of Teaching Health and Safety	4 sh
Sixteen hours chosen from the following courses:		16 sh
HED 321	Health Services and Consumerism	
HED 324	Nutrition	
HED 325	Substance Abuse and Human Behavior	
HED 326	Human Sexuality	
HED 421	Health of the Body Systems	

TOTAL	20 sh
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A minor in Physical Education requires the following courses:

Four courses chosen from one-hour skills classes	4 sh	or
PED 125	Skills and Activities for Teaching and one skills course	
PED 310	Motor Learning Theory for Teaching and Coaching	4 sh
PED 360	Elementary Physical Education (K-6)	4 sh
EDU 423	Materials and Methods of Teaching Physical Education	4 sh
One course from		2 sh
PED 342	Methods of Coaching Football	
PED 343	Methods of Coaching Basketball	
PED 344	Methods of Coaching Track and Field or Baseball	
PED 345	Methods of Coaching Soccer or Volleyball	

TOTAL	18 sh
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PED 100. TENNIS 1 sh

Students learn rules, skill and strategy of tennis. Offered fall and spring.

PED 101. RACQUETBALL 1 sh

Students learn rules, skill and strategy of racquetball. Offered fall and spring.

PED 102. GYMNASTICS 1 sh

Students learn a variety of floor and apparatus gymnastics skills. Offered alternating years.

PED 103. RECREATIONAL SPORTS 1 sh

Students learn rules, skill and strategy of a variety of recreational sports, including archery, badminton and paddle tennis. Offered alternating years.

PED 105. GOLF (Beginning & Intermediate) 1 sh

Special fee: \$30. Students learn rules, skill and strategy of golf. Offered fall and spring.

PED 106. BEGINNING SWIMMING AND EMERGENCY WATER SAFETY *1 sh*

An introduction to basic swimming techniques and general water safety instruction, including how to respond effectively in a water emergency. The goal is to create an awareness of causes and prevention of water accidents. (Beginning Swimming and Emergency Water Safety certificate given.)

PED 107. LIFEGUARD TRAINING *3 sh*

Students gain knowledge and skills for aquatic safety and non-surf life guarding, first aid, professional rescuer CPR and head lifeguarding. Students will receive Red Cross certification upon successful completion. Prerequisites: strong swimming skills. Special fee: \$16.00.

PED 108. BASKETBALL *1 sh*

Students learn rules, skill and strategy of basketball. Offered alternating years.

PED 109. CONDITIONING/WEIGHT TRAINING *1 sh*

Progressive development of physiological fitness designed to meet the needs of the individual student, including weight and cardiorespiratory training. Offered fall and spring.

PED 110. SOFTBALL *1 sh*

Students learn rules, skill and strategy of softball. Offered alternating years.

PED 111. AEROBIC CONDITIONING *1 sh*

Students have the opportunity to improve their physical fitness level through aerobic activities using correct techniques.

PED 112. SOCCER *1 sh*

Students learn rules, skill and strategy of soccer. Offered alternating years.

PED 113. VOLLEYBALL *1 sh*

Students learn rules, skill and strategy of volleyball. Offered alternating years.

PED 116. OUTWARD BOUND EXPERIENCE *1-3 sh*

This is a course in wilderness survival, including physical survival skills, fitness, cognitive and emotional skills and study of

the natural world. Offered as personnel is available or Independent Study.

PED 117. EQUESTRIAN TRAINING I, BEGINNER *1 sh*

Grooming, anatomy of horse, veterinarian care, mounting, dismounting, emergency dismounting, turning left and right - when mounted on horse, proper sitting, positioning saddle, learning to use correct aids (legs, hands, stats, voice command), Farrier care. Personal transportation, work boots, jeans and riding helmet required. Special fee: \$300.00

PED 118. EQUESTRIAN TRAINING II, NOVICE RIDER *1 sh*

Two-point position, Cavaletti work/pre-training level 1, crossrails, consistency, equitation. Prerequisite: PED 117 or previous riding experience and permission of instructor. Personal transportation, work boots, jeans and riding helmet required. Special fee: \$300.00

PED 125. SKILLS AND ACTIVITIES FOR TEACHING *3 sh*

Students learn skills and techniques for selected activities taught in public school physical education. Learning experiences include analyzation, organization and evaluation methods. Activities will be chosen from: archery, badminton, bowling, golf, racquetball, weight training, volleyball, soccer, tennis and other team sports. As public school needs change, the curriculum for this course may be altered.

PED 208. WATER SAFETY INSTRUCTOR *3 sh*

Detailed study of methods and materials used to teach Red Cross swimming and aquatics safety courses. Successful completion qualifies WSIs to teach infant and preschool aquatics, progressive swimming courses, basic water safety and emergency water safety. Prerequisites: 17 years old, current certification for Emergency Water Safety or Lifeguard Training.

PED 209. SKIN AND BASIC SCUBA DIVING *2 sh*

Students learn the art of skin and scuba diving, including the physics, physiology and mechanics of diving; safe diving

practices; marine life and environment; dive planning and various aspects of sport diving. Prerequisites: 15 years old, pass a swimming test, medical exam and payment of special fees before scuba work begins. Special fee: \$175.00.

PED 211. HISTORY/FOUNDATIONS OF SPORT/PHYSICAL EDUCATION 4 sh

An introduction to the philosophical, psychological and sociological foundations and the history of physical education, including current issues and trends and the economic impact of sport and fitness on society. Offered spring.

PED 217. EQUESTRIAN TRAINING III, INTERMEDIATE RIDER 1 sh

Dressage (training level 2 and 3), equestrian jumping, hunter style, medal maclay/senior advancement. Prerequisite: PED 118 or four years riding experience and permission of instructor. Personal transportation, work boots, jeans and riding helmet required. Special fee: \$300.00

PED 218. EQUESTRIAN TRAINING IV, ADVANCED RIDER 1 sh

Training levels 4 and 5, cross country, pre-preliminary jumpers, working hunter advancement. Prerequisite: PED 217. Personal transportation, work boots, jeans and riding helmet required. Special fee: \$300.00

PED 265. OFFICIATING 2 sh

Provides a thorough study of rules and mechanics of sport officiating. Practical experience in officiating may be provided at the community, little league, middle school and junior varsity levels. Offered fall.

PED 305. LEGAL ASPECTS IN HPLE 2 sh

A study of the legal environment of leisure, sport, health and school organizations, emphasizing applications of tort, criminal, employment, contract, property and constitutional law. Students learn the principles of risk management and relevant applications and discuss current legislation affecting the field. Prerequisite: LSM 212 or SPM 101 or SPM 112 or EDU 211. Offered fall and spring.

PED 309. ADVANCED OPEN WATER SCUBA 2 sh

The advanced Open Water Scuba course at Elon College is offered through certified and insured adjunct P.A.D.I. instructors. This course is designed to expand on the knowledge base and skills acquired in PED 209, Skin and Basic Scuba Diving. Students will complete a detailed study of all the topics covered in Basic Scuba. In addition, they will develop a knowledge base and skills for deep diving, night diving, underwater navigation, search and recovery and rescue diving. The student will receive P.A.D.I. Certifications in Advanced Open Water and Rescue Diving upon successful completion of the course. Equipment Requirements: Mask, fins and snorkel. Prerequisites: P.A.D.I. Open Water Certification or equivalent. Special fee: \$275.00

PED 310. MOTOR LEARNING THEORY FOR TEACHING AND COACHING 4 sh

This course provides physical education teachers and coaches knowledge and understanding of how learning and optimum performance of motor skills occur. Study of the characteristics and interactions between student/athlete, teacher/coach and the learning environment coupled with synthesis of recent research, experimentation and analysis enables participants to teach motor skills efficiently. Offered spring.

PED 321. KINESIOLOGY 4 sh

Students study the musculo-skeletal system and biomechanics for physical fitness activities, exercise/sports injuries and sports skills. Prerequisite: BIO 161. Offered fall and spring.

PED 341. THEORY OF COACHING 2 sh

Provides a thorough study of the role of coaches in the school and community, including coaching philosophy, ethics, relationships, motivation and responsibilities. Offered fall.

PED 342. METHODS OF COACHING FOOTBALL 2 sh

A study of appropriate terms, drills, methods and strategy for coaching football. Offered fall.

PED 343. METHODS OF COACHING BASKETBALL 2 sh

A study of appropriate terms, drills, methods and strategy for coaching basketball. Offered spring.

PED 344. METHODS OF COACHING TRACK AND FIELD OR BASEBALL 2 sh

A study of appropriate terms, drills, methods and strategy for coaching track and field or baseball.

PED 345. METHODS OF COACHING SOCCER OR VOLLEYBALL 2 sh

A study of appropriate terms, drills, methods and strategy for coaching soccer or volleyball.

PED 360. ELEMENTARY PHYSICAL EDUCATION (K-6) 4 sh

This class is designed to prepare students to teach physical education in grades K-6. This preparation includes knowledge of movement education, motor skills, skill analysis and pedagogy. Clinical hours in public schools are required. Offered fall.

PED 410. ORGANIZATION AND ADMINISTRATION 4 sh

A study of the organizational and administrative techniques needed to design and implement programs in leisure, sport and physical education settings, including organizational

structure and theories, leadership styles, decision-making, finance management, purchasing, public relations and tournament organization. Offered fall and spring.

PED 411. MEASUREMENT AND EVALUATION 4 sh

Students learn to organize and interpret data from tests with and without the use of software packages. Also includes the study and administration of youth and adult physical fitness tests, sports skill tests and an overview of psychosocial testing. Offered spring.

PED 423. PHYSICAL EDUCATION FOR THE EXCEPTIONAL CHILD 2 sh

This course provides physical education teachers knowledge and understanding of current legislation, techniques and methods of teaching physical activities to individuals with handicapping conditions through both lecture and practical experience. Prerequisite: PED 360.

PED 491. INDEPENDENT STUDY 1-4 sh

Study in sports medicine at Elon College combines the scientific and the practical aspects of the prevention, treatment and rehabilitation of injuries and includes the study of the effects of physical activity on the human body.

PED 499. RESEARCH IN PHYSICAL EDUCATION 1-4 sh

PHYSICS

Chair, Department of Physics: Professor F. Harris

Associate Professor: Agnew

Assistant Professor: P. Das

Physics is the great intellectual web that underlies our understanding of the universe in which we live. In the Physics Department, the faculty seeks to elucidate that web of theory and experiment, studying not only its broad outlines and appealing symmetries, but also its delicate subtleties and elegant construction.

With faculty in both theoretical and experimental physics, Elon's program offers a wide variety of courses for science and non-science majors, including service courses for biology, chemistry, and mathematics as well as calculus-based Introductory Physics for the pre-engineer.

Our major and minor curricula begin with a three-semester introduction to the field and encompass focused courses that explore the major aspects of physics. Strong

grounding in the “Classical” study of the mechanical and electrodynamic world is established before emphasis moves on to dynamical systems and field theory.

All of our courses integrate laboratory and use of the computer beginning with introductory courses, in which students work collaboratively and incorporate their experimental and problem-solving work. At higher levels, experiments ranging from gamma ray spectroscopy to computational simulation are integrated into each course. Advanced students also study the theories of quantum mechanics and relativity and those pursuing the B.S. degree conduct an individual research project.

Physics is a rich and complete program which prepares graduates for a variety of scientific careers, engineering, teaching or for any field in which critical thinking and problem-solving are crucial.

The Department of Physics offers programs leading to the Bachelor of Arts degree with a major in Physics, the Bachelor of Science degree with a major in Physics, and a minor concentration in Physics for students majoring in another discipline.

A Bachelor of Arts Degree in Physics requires the following courses:

PHY 113	General Physics I With Calculus	4 sh
PHY 114	General Physics II With Calculus	4 sh
PHY 213	Introduction to Modern Physics	4 sh
PHY 301	Classical Mechanics and Dynamical Systems	4 sh
PHY 311	Classical Electrodynamics	4 sh
PHY 312	Electricity, Magnetism, and Field Theory	4 sh
PHY 411	Quantum Mechanics	4 sh
MTH 121	Calculus and Analytic Geometry I	4 sh
MTH 221	Calculus and Analytic Geometry II	4 sh
MTH 321	Calculus and Analytic Geometry III	4 sh

TOTAL		40 sh
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A Bachelor of Science Degree in Physics requires the following courses:

PHY 113	General Physics I With Calculus	4 sh
PHY 114	General Physics II With Calculus	4 sh
PHY 213	Introduction to Modern Physics	4 sh
PHY 301	Classical Mechanics and Dynamical Systems	4 sh
PHY 311	Classical Electrodynamics	4 sh
PHY 312	Electricity, Magnetism, and Field Theory	4 sh
PHY 411	Quantum Mechanics	4 sh
MTH 121	Calculus and Analytic Geometry I	4 sh
MTH 221	Calculus and Analytic Geometry II	4 sh
MTH 321	Calculus and Analytic Geometry III	4 sh
PHY 491	Research	1 sh

Choose one course from the following		4 sh
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|---------|--|
| PHY 302 | Statistical Mechanics and Thermodynamics |
| PHY 412 | Relativity and Cosmology |
| PHY 471 | Special Topics in Physics |

Competence in computer programming must be demonstrated.

TOTAL		45 sh
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A Bachelor of Science Degree in Engineering Physics: See requirements listed under the Department of Engineering.

A minor in Physics requires the following courses:

PHY 113	General Physics I With Calculus	4 sh
PHY 114	General Physics II With Calculus	4 sh
PHY 213	Introduction to Modern Physics	4 sh
Select two Physics courses at the 300-400 level		8 sh
TOTAL		20 sh

204

PHY 101. CONCEPTUAL PHYSICS 4 sh

This course provides an introduction to the major ideas in both Classical and Modern Physics. Students will be introduced to experiments of the ancient Greeks, Renaissance Scholars and Classical Natural Philosophers. The formulation of gravitational and mechanical theories, thermodynamics, the particle nature of matter, and aspects of elementary electromagnetism will be included. Twentieth century perspectives including the theory of relativity, quantum mechanics and chaos will be studied.

Laboratory included.

PHY 102. INTRODUCTION TO ASTRONOMY 4 sh

Astronomy examines the nature of light, astronomical instruments and our attempts to understand the origin of our solar system and its constituents: the Sun, the planets, asteroids, comets, and meteors. Laboratory included. Offered fall and spring.

PHY 103. INTRODUCTION TO GEOLOGY 4 sh

This geology course includes a study of the nature and origin of rocks and minerals, evolution of the landscape, plate tectonics, coastal dynamics and geologic time. Laboratory included. Offered fall and spring.

PHY 110. ENERGY AND THE ENVIRONMENT 4 sh

This course provides an introduction to energy concepts and the basic modes of energy production and use, focusing on environmental problems that are a consequence of such activities. Laboratory included.

PHY 111, 112. GENERAL PHYSICS I AND II (each semester) 4 sh

Designed for students majoring in the biological and/or health-related sciences, this survey of classical and modern physics includes mechanics, waves, heat, electricity, magnetism, optics, and atomic and nuclear physics. Labs included. Prerequisite: MTH 111 or placement exemption. PHY 111 offered fall; PHY 112 offered spring.

PHY 113, 114. GENERAL PHYSICS I AND II WITH CALCULUS (each semester) 4 sh

This survey of topics in classical physics is designed for students majoring in math, physics or chemistry, or planning to transfer into an engineering program. Topics include kinematics, dynamics, thermodynamics, electrostatics, electrodynamics and waves. Labs included. Corequisite: MTH 121. PHY 113 offered fall; PHY 114 offered spring.

PHY 211. CIRCUIT ANALYSIS 3 sh

This course is an introduction to the theory, analysis and design of electric circuits. Studies include circuit parameters and elements: voltage, current, power, energy, resistance, capacitance, inductance. Also included is the application of Kirchhoff's laws to simple and complex circuits and the study of the steady-state and transient response of circuits to pulse, step, and periodic inputs. Prerequisites: MTH 221 and PHY 114. Corequisite: EGR/PHY 212.

PHY 212. CIRCUIT ANALYSIS LAB 1 sh

This course involves laboratory application of concepts and principles discussed in EGR/PHY211. Corequisite: EGR/PHY 211.

PHY 213. INTRODUCTION TO MODERN PHYSICS 4 sh

A continuation of 113 and 114, this course provides further study of wave dynamics, special relativity, early quantum mechanics, wave mechanics and an introduction to solid state and nuclear physics. Laboratory included. Prerequisite: MTH 221. Offered spring.

PHY 301. CLASSICAL MECHANICS AND DYNAMICAL SYSTEMS 4 sh

In this introduction to Lagrangian and Hamiltonian treatments of classical mechanics students explore variational principles, conservation laws, contemporary approaches to dynamical systems and topics in chaos theory. Laboratory included. Prerequisite: PHY 114. Offered fall of alternate years.

PHY 302. STATISTICAL MECHANICS AND THERMODYNAMICS 4 sh

Study covers statistical methods, the concept of the ensemble and statistical averages and explore thermodynamics using a theoretical progression from statistical analysis to thermodynamic variables. In depth studies include conservation laws and thermodynamical variables such as entropy and free energy. Laboratory included. Prerequisite: PHY 301.

PHY 305. STELLAR ASTRONOMY 4 sh

Stellar astronomy involves study of the universe beyond the solar system, including stars, clusters, stellar evolution, variable stars, Milky Way and other galaxies, quasars and cosmological models. Satisfies non laboratory General Studies requirement. Prerequisite: MTH 111 or higher. Offered winter.

PHY 310. ENGINEERING THERMODYNAMICS 4 sh

Introduction to the concept of energy and the laws governing the transfers and

transformations of energy. Emphasis on thermodynamic properties and First and Second Law analysis of systems and control volumes. Integration of these concepts into the analysis of basic power cycles is introduced. Prerequisites: MTH 321 and PHY 114.

PHY 311. CLASSICAL ELECTRODYNAMICS 4 sh

Classical electrodynamics involves the study of electrostatics (including image methods and electric fields in the presence of dielectric media), vector analysis, continuity conditions for field quantities at interfaces and magnetism and magnetostatics. Laboratory included. Prerequisite: PHY 213. Offered spring of alternate years.

PHY 312. ELECTRICITY, MAGNETISM AND FIELD THEORY 4 sh

This course includes Maxwell's equations and continuation of electrodynamics and explores the natural connection of field theory and electrodynamics and basic mathematical tools, including tensor analysis. By experiments and numerical simulation, students investigate electromagnetic radiation and fields. Laboratory included. Prerequisite: PHY 311. Offered fall of alternate years.

PHY 411. QUANTUM MECHANICS 4 sh

Study of quantum mechanics includes basic mathematical underpinnings of quantum formalisms and treats several basic problems, including Hydrogen-like atoms and lasers, in depth. Laboratory included. Prerequisite: PHY 301. Offered spring of alternate years.

PHY 412. RELATIVITY AND COSMOLOGY 4 sh

This course begins by examining fundamentally electrodynamic problems out of which special relativity was born. Students read Einstein's original paper and study the classical paradoxes in depth. Discussion of cosmological problems includes black holes, galactic red shift and early universe theory. Some aspects of the general theory of relativity are also introduced. Prerequisites: PHY 311 and 312.

PHY 471. SPECIAL TOPICS IN PHYSICS 4 sh

These contemporary topics include, but are not limited to, chaos theory and nonlinear dynamics, solid state and condensed matter physics, optics, advanced quantum mechanics, and particle physics. Prerequisite: permission of the instructor.

PHY 499. RESEARCH

1 sh

This semester-long supervised research project involves experimental, numerical or theoretical investigation of a single problem, culminating in a detailed report describing the methods, results and analysis performed, including a "publication style" abstract of the research. Senior majors only. Offered fall, winter and spring.

206

POLITICAL SCIENCE

Chair, Department of Political Science and Public Administration: Professor C. Brumbaugh

Professors: Taylor, Zarzar

Associate Professor: Anderson

Assistant Professors: Helvey, Spray

Instructor: Morgan

Adjunct Instructors: Colbert, Craig, Vellani

Political Science seeks to understand the ideas, individuals and institutions engaged in making public policies that influence the lives of people in communities ranging from local to global. Courses investigate current issues and opinions, the process by which voters or leaders make decisions, the behavior of organized groups and governmental agencies, the relationships between nations and classic questions of how societies balance freedom, social justice, order and efficiency.

Students in this discipline are encouraged to: develop critical reading, writing and research skills (often using computer programs); participate in role-playing simulations of local governments, legislatures, the United Nations and international relations; work as interns at the local and state level in government agencies, election campaigns and law firms; and spend a semester in Washington, D.C., working in executive and judicial agencies, the U.S. Congress, interest groups and international organizations.

The department offers majors in Political Science and Public Administration as well as minors in these fields. Students can concentrate their course work in one or more sub-fields: American Government, International Relations, Comparative Politics, Public Administration and Political Theory. These programs help prepare students to enter graduate and law school, and pursue a wide range of careers in legislative, executive and judicial agencies, business, teaching, journalism, interest group advocacy, campaign management and international public service.

A major in Political Science requires the following courses:

POL 111	American Government	4 sh
POL 461	Senior Seminar in Political Science	4 sh
SSC 285	Research Methods	4 sh
One course chosen from the following:		4 sh
POL 241	International Relations	
POL 261	Comparative Politics	
One course selected from the following:		4 sh
POL 300	Introduction to Political Thought	
POL 301	Modern Political Thought	
POL 303	Democratic Theory	
One course selected from the following:		4 sh
ECO 201	Principles of Economics	
GEO 131	The World's Regions	
HST 121	United States History through 1865	
HST 122	United States History since 1865	
HST 221	The World in the Twentieth Century	
Twenty additional hours in Political Science		20 sh
TOTAL		44 sh

A minor in Political Science requires the following:

POL 111	American Government	4 sh
Sixteen semester hours in Political Science		16 sh
TOTAL		20 sh

POL 111. AMERICAN GOVERNMENT 4 sh

American Government serves as an introduction to the national political system, including the legislative, executive and judicial branches, the Constitution, political parties, interest groups, public opinion and public policy issues. Offered fall and spring.

POL 112. NORTH CAROLINA STUDENT LEGISLATURE 1 sh

This is an experiential course which promotes active participation in the NCSL, debate of public issues and organizational involvement at the college and state-wide level. Offered fall and spring.

POL 114. MODEL UNITED NATIONS 1 sh

Through experiential learning activities, students gain insight into the workings of the United Nations, diplomacy and international politics. Offered fall and spring.

POL 222. STATE AND LOCAL GOVERNMENT AND POLITICS 4 sh

This study focuses on the structure and functioning of the state and local government and their roles within the American federal system. Offered fall.

POL 231. INTRODUCTION TO PUBLIC ADMINISTRATION 4 sh

(Same course as PUB 231. See PUB 231 for description.) Offered spring.

POL 241. INTERNATIONAL RELATIONS 4 sh

International relations gives students a basic appreciation for our world and examines political issues, such as the role of power and international law in the international system and economic, social and cultural features of the world. Offered fall.

POL 261. COMPARATIVE POLITICS 4 sh

This introduction to the central concepts of comparative politics and to the major types

of contemporary political systems may include Britain, Germany, Japan, Africa, China, Mexico and the post-Soviet independent states of Eurasia. Offered spring.

POL 300. INTRODUCTION TO POLITICAL THOUGHT 4 sh

In a critical introduction to the great political thinkers, discussion spans from Plato to Rousseau.

POL 301. MODERN POLITICAL THOUGHT 4 sh

Modern political thought provides a critical introduction to and analysis of great political thinkers from Marx to Marcuse.

POL 303. DEMOCRATIC THEORY 4 sh

Democratic theory examines conceptions, models and themes of democracy around the world using a comparative approach, with special emphasis on models of democracy as they developed in the U.S.

POL 323. CONSTITUTIONAL LAW I 2 sh

Using a case study approach, this course focuses on American Constitutional structures: separation of powers, judicial review, and federalism. Prerequisite: POL 111. Offered fall.

POL 324. CONSTITUTIONAL LAW II 2 sh

Continuing the case study examination begun in POL 323, the focus of this course is on individual rights guaranteed by American Constitutional structures: civil rights and civil liberties. Prerequisite: POL 111. Offered spring.

POL 325. THE PRESIDENCY 4 sh

A study of the contemporary presidency emphasizes the organization of the office, its relationship to other structures in American politics and its role in the policy-making process.

POL 326. THE CONGRESS 4 sh

Topics of study cover the policy-making process in Congress, focusing on party leadership, the committee system and the relationship between the Congress and the presidency, interest groups and the executive branch. Discussion also includes congressional reform proposals.

POL 328. PUBLIC POLICY 4 sh
(Same course as PUB 328. See PUB 328 for description.) Offered fall.

POL 329. POLITICAL BEHAVIOR 4 sh

This course focuses on political life from a micro perspective by examining how political attitudes and behavior are learned and affect our political choices, especially in regard to political socialization and electoral behavior.

POL 342. U.S. FOREIGN POLICY SINCE 1939 4 sh

Study covers the foreign relations, foreign policy and international politics of the United States since 1939.

POL 343. INTERNATIONAL LAW AND ORGANIZATION 4 sh

This course focuses on the role of international law and organizations in determining patterns of international behavior, with special attention to the United Nations.

POL 359. POLITICAL COMMUNICATION 4 sh

This examination of political communications processes uses a comparative perspective and emphasizes the role of media in the U.S., Europe, Eurasia and developing countries.

POL 363. POLITICS OF ASIA 4 sh

This exploration of the politics of Asia after World War II analyzes political and economic processes in the cases of Japan, China and newly industrializing countries, among others.

POL 364. POLITICS OF EUROPE 4 sh

This course explores the politics of East and West Europe since World War I.

POL 365. POLITICS OF EURASIA 4 sh

Politics of Eurasia analyzes the rise and fall of the Soviet Union as a political entity and studies the newly independent countries of the former Soviet Union in some depth.

POL 366. MIDDLE EAST POLITICS 4 sh

A study of Middle Eastern political dynamics and institutions, contemporary issues and problems of selected Middle Eastern and North African countries.

POL 367. POLITICS OF AFRICA 4 sh

Focuses on nation-building and major factors influencing contemporary politics in selected African states. Emphasizes the legacy of colonialism/independence struggles; traditional loyalties; the political/social/economic origins of conflict/coalitions/coups; political participation; institutionalization/control; the destabilizing influences of class/ethnic/elitist/racial differences; and African states in the world order.

POL 368. LATIN AMERICAN POLITICS 4 sh

Central America and Mexico receive emphasis in this study of the political dynamics, governmental structures and contemporary issues of selected countries of Latin America. Offered fall of odd-numbered years.

POL 371. TOPICS IN POLITICAL SCIENCE 4 sh

This advanced course explores significant contemporary issues or developments within the discipline. Prerequisite: POL 111 or permission of the instructor.

POL 375. POLITICAL SCIENCE IN LONDON 4 sh**POL 376. WASHINGTON CENTER SEMINAR** 1-4 sh

Students learn first-hand from speakers, on-site visits and other experiential opportunities in Washington, D.C., and other locations through the Washington Center. Course requirements include readings, writing assignments and collaborative work dealing with a wide variety of topics. Prerequisite: Permission of department. Offered winter and summer.

POL 420. CAMPAIGN WORKSHOP 4 sh

This course provides a practical study of how to run an election campaign, with attention to setting up, staffing and financing a campaign office, organizing events, media relations, campaign technology, polling, advertising and getting out the vote. Students spend significant time as an intern for a candidate of their choice and reflect on their experience. Prerequisite: POL 111 and an additional course in American politics, or permission of

instructor. Offered fall of even-numbered years.

POL 428. ENVIRONMENTAL POLITICS AND NATURAL RESOURCE LEGISLATION 4 sh

This course explores the development of environmental law and policy, with emphasis on the manner in which environmental issues are addressed by political processes. The course surveys the dynamics of international cooperation on global environmental problems and enables students to become familiar with landmark environmental legislation in the U.S. Prerequisite: POL 111 or permission of instructor. Offered spring.

POL 431. POLICY ANALYSIS AND PROGRAM EVALUATION 4 sh

(Same course as PUB 431. See PUB 431 for description.) Offered spring.

POL 433. TOPICS IN URBAN POLITICS 4 sh

(Same course as PUB 433. See PUB 433 for description.)

POL 461. SENIOR SEMINAR IN POLITICAL SCIENCE 4 sh

The capstone experience for senior political science majors involves close review of the discipline's conceptual approaches to the study of political issues, discussion and development of research strategies. Students must also present a work of original scholarship. Prerequisite: senior majors only. Offered fall and spring.

POL 481. INTERNSHIP IN POLITICAL SCIENCE 1-4 sh

Work experience in a partisan, nonprofit business, governmental or legal setting requires students to establish experiential goals and to reflect on the learning experience. Offered on an individual basis when suitable opportunities can be arranged. Prerequisite: POL 111, an additional course in Political Science and permission of the instructor.

**POL 485. WASHINGTON INTERNSHIP IN
POLITICAL SCIENCE** 1-12 sh

Work experience in a partisan, nonprofit business, governmental or legal setting in the Washington, D.C. area, requires students to establish experiential goals and reflect on the learning experience. Offered on an individual basis when suitable opportunities can be arranged. Prerequisite: POL 111, an additional course in Political Science and permission of the instructor.

POL 491. INDEPENDENT STUDY 1-4 sh**POL 499. RESEARCH** 1-4 sh

This course is an opportunity for students to undertake an empirical or theoretical study of a topic in political science in collaboration with a departmental faculty

member. Research projects may include a review of research literature, developing a research design, data collection and analysis, and a presentation or report when the study is completed. Prerequisite: permission of instructor. A research proposal form completed by the student in conjunction with the faculty member is required for registration. Students may register for 1-4 hours of credit per semester and may register for more than one semester of research for a total of 8 hours of research credit toward the major. Students must have a 2.5 GPA or higher and have completed 28 semester hours of college work.

PSYCHOLOGY

Chair, Department of Psychology: Associate Professor Pickens

Professor: Granowsky

Associate Professors: Fromson, Green, Higgs, McClearn,

Assistant Professors: King, Levesque, Vandermaas-Peeler

The psychology major at Elon College presents the principles, methods and research findings of the field of psychology. Students in the major learn and practice sound research methods and are given many opportunities for exploring the breadth of the content areas in psychology. In each psychology course, students are involved in writing and speaking in the discipline. Interested students may engage in internship experiences in industrial/organizational settings, group homes, social service agencies, psychiatric wards and special education placements.

Students with a Bachelor's degree in psychology have many career options. Some students enter fields such as law enforcement, court counseling, daycare, group home counseling, YMCA program work, personnel and entry level positions in mental health. Others opt to go on to graduate school in a variety of programs, including: clinical, counseling or school psychology; social work; special education; law and many others. Psychology majors receive both a liberal arts education and practice in the skills of research, professional writing and speaking, and are therefore prepared for a variety of careers.

A major in Psychology requires the following courses:

PSY 111	General Psychology	4 sh
PSY 201	Research Methods I	4 sh
PSY 202	Research Methods II	4 sh
PSY 461	Senior Seminar	4 sh
Two courses chosen from the following:		8 sh
PSY 212	Learning and Memory	
PSY 221	Biological Bases of Behavior	

PSY 233 Life-Span Human Development

Two courses chosen from the following:	8 sh
PSY 312 Cognitive Psychology	
PSY 323 Social Psychology	
PSY 343 Psychology of Personality and Individual Differences	
Twelve additional semester hours in Psychology	12 sh
TOTAL	44 sh

A minor in Psychology requires the following courses:

PSY 111 General Psychology	4 sh
PSY 201 Research Methods I	4 sh
Twelve semester hours of Psychology electives	12 sh
TOTAL	20 sh

211**PSY 111. GENERAL PSYCHOLOGY 4 sh**

General psychology surveys central topics in the field, including research methodology, learning and memory processes, social psychology, psychological disorders and personality. Offered fall and spring.

PSY 201. RESEARCH METHODS I 4 sh

Students begin learning how to conduct and report psychological research. Study focuses on how to frame psychological questions, how to answer them using research designs and complementary data analysis techniques and the basics of writing research reports. Prerequisite: PSY 111. Offered fall and spring.

PSY 202. RESEARCH METHODS II 4 sh

Exploration continues with more complex research designs and data analysis techniques, giving in-depth attention to the written and oral presentation of research findings. Prerequisite: PSY 111, PSY 201. Offered fall and spring.

PSY 212. LEARNING & MEMORY 4 sh

Learning and memory addresses models of knowledge acquisition (including classical and operant conditioning and cognitive processes), encoding and storage of information, memory retrieval and forgetting. Prerequisite: PSY 111. Offered fall or spring.

PSY 221. BIOLOGICAL BASES OF BEHAVIOR 4 sh

This course explores the biological foundations of such psychological processes as learning and memory, movement, sleep and emotions, as well as such abnormal conditions as schizophrenia and depression. Prerequisite: PSY 111. Offered fall or spring.

PSY 233. LIFE-SPAN HUMAN DEVELOPMENT 4 sh

An exploration of human development across the entire life-span includes consideration of cognitive, social and emotional development as a complex interaction between individuals and their social and cultural environments. Prerequisite: PSY 111. Offered fall or spring.

PSY 312. COGNITIVE PSYCHOLOGY 4 sh

Cognitive psychology studies how humans represent and process information about the environment in their role as thinkers, planners, language users and problem solvers. Prerequisite: PSY 111 & PSY 201. Offered fall or spring.

PSY 315. PSYCHOLOGY OF SEX AND GENDER 4 sh

This course focuses on the psychology of sex and gender from a feminist perspective and is organized around four themes: gender as a social construction, the importance of language and the power to

tal agencies formulate and implement policy, and the classic questions of how societies balance freedom, social justice order and efficiency. The study is particularly concerned with how the public administration practitioner balances the twin priorities of political responsiveness and politically neutral professional competence. The department offers majors in Political Science and Public Administration as well as minors in each field.

A major in Public Administration requires the following courses:

PUB 231	Introduction to Public Administration	4 sh
PUB 328	Public Policy	4 sh
PUB 431	Policy Analysis and Program Evaluation	4 sh
PUB 461	Seminar in Public Administration	4 sh
POL 111	American Government	4 sh
POL 222	State and Local Government and Politics	4 sh
SSC 285	Research Methods	4 sh
ACC 201	Principles of Financial Accounting	4 sh
ECO 201	Principles of Economics	4 sh
Twelve hours selected from the following courses:		12 sh
CIS 116	Microcomputer Applications	
ECO 332	Public Finance	
ECO 413	Labor Economics	
BUS 303	Introduction to Managing or	
BUS 323	Principles of Management	
BUS 425	Personnel Administration	
LSM 327	Leisure/Sport Programming	
LSM 425	Leisure and the Environment	
POL 325	The Presidency	
POL 326	The Congress	
POL 420	Campaign Workshop	

Any other Public Administration course

TOTAL	48 sh
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A minor in Public Administration requires the following courses:

PUB 231	Introduction to Public Administration	4 sh
PUB 431	Policy Analysis and Program Evaluation	4 sh
POL 111	American Government	4 sh
SSC 285	Research Methods	4 sh
Four semester hours from the following courses:		4 sh
POL 222	State and Local Government	
POL 325	The Presidency	
POL 326	The Congress	
BUS 303	Introduction to Managing	
BUS 323	Principles of Management	
BUS 425	Personnel Administration	

TOTAL	20 sh
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PUB 231. INTRODUCTION TO PUBLIC ADMINISTRATION

4 sh

This course introduces the student to the complexities of administering government activities and emphasizes the basic principles of organizations, decision-making, fiscal management, personnel management and other forms of action in the public sector. Offered spring.

PUB 328. PUBLIC POLICY

4 sh

This study of public policy making emphasizes policy content and focuses on the stages and options in the process, especially the complex relationships between the branches and levels of government within the structure of federalism. Students trace the development of selected public policy positions and focus on options available to contemporary decision makers. Offered fall.

PUB 428. ENVIRONMENTAL POLITICS AND NATURAL RESOURCE LEGISLATION

4 sh

(Same course as POL 428. see POL 428 for description.) Offered spring.

PUB 431. POLICY ANALYSIS AND PROGRAM EVALUATION

4 sh

Two aspects of the public policy process are covered in this course. Policy analysis focuses on the formulation stage of the policy and attempts to isolate both the intended and many unintended effects. Program evaluation determines the degree to which a program is meeting its objectives and considers problems and side effects. Prerequisite: POL 111 or permission of instructor. Offered spring.

PUB 433. TOPICS IN URBAN POLITICS

4 sh

Advanced study in areas of the urban politics field centers on varying topics to be decided by the instructor. Selections might include urban management, urban public policy, urban problems, etc. Prerequisite: POL 222 or permission of instructor.

PUB 461. SEMINAR IN PUBLIC ADMINISTRATION

4 sh

The capstone experience for senior public administration majors involves review of the

discipline's conceptual approaches, discussion and development of research strategies. Students must present a work of original scholarship. Prerequisite: senior majors only. Offered fall and spring.

PUB 481. INTERNSHIP IN PUBLIC ADMINISTRATION

1-4 sh

Work experience in a nonprofit, business, governmental or legal setting requires students to establish experiential goals and to reflect on the learning experience. Offered on an individual basis when suitable opportunities can be arranged. Prerequisite: PUB 211, an additional PUB/POL course and permission of the instructor.

PUB 485. WASHINGTON INTERNSHIP IN POLITICAL SCIENCE

1-12 sh

Work experience in a partisan, nonprofit business, governmental or legal setting in the Washington, D.C. area, requires students to establish experiential goals and reflect on the learning experience. Offered on an individual basis when suitable opportunities can be arranged. Prerequisite: POL 111, an additional course in Political Science and permission of the instructor.

PUB 491. INDEPENDENT STUDY

1-4 sh

PUB 499. RESEARCH

1-4 sh

This course is an opportunity for students to undertake an empirical or theoretical study of a topic in political science in collaboration with a departmental faculty member. Research projects may include a review of research literature, developing a research design, data collection and analysis, and a presentation or report when the study is completed. Prerequisite: permission of instructor. A research proposal form completed by the student in conjunction with the faculty member is required for registration. Students may register for 1-4 hours of credit per semester and may register for more than one semester of research for a total of 8 hours of research credit toward the major. Students must have a 2.5 GPA or higher and have completed 28 semester hours of college work.

RELIGIOUS STUDIES

Chair, Department of Religious Studies: Professor Wilson
Professors: Chase, Pace, Pugh
Associate Professor: Chakrabarti
Assistant Professor: McBride

Religious studies courses and the religious studies major and minor are designed to help students learn about one of the most basic and universal aspects of human existence. Knowing about religion helps us all to better understand ourselves and the beliefs of others.

The series of courses required for the major gives students a taste of three major subdivisions within the discipline of religion. The members of the religious studies faculty seek to foster in students a love of learning, informed values and a spirit of tolerance. In keeping with Elon's liberal arts objectives, the program and the faculty also seek to develop the students' ability to think critically and communicate effectively, both in the discipline and in other areas of life.

A major in Religious Studies requires the following courses:

REL 111	Introduction to the Old Testament	4 sh or
REL 112	Introduction to the New Testament	4 sh
REL 121	World Religions	4 sh
REL 134	Introduction to Religious Studies	4 sh
REL 492	Senior Seminar	2 sh
An additional 6 courses, five at the 300-400 level		24 sh
1 course in Biblical Studies		
1 course in Eastern and Islamic Studies		
1 course in Theological and Ethical Studies		
3 electives		
(Greek 110, 210 are recommended for all Religious Studies majors and Greek 310 may be substituted for a Religious Studies course in the Biblical Studies area.)		

TOTAL 38 sh

A minor in Religious Studies requires the following courses: Eight semester hours of Religious Studies at the junior/senior levels. Twelve semester hours of Religious Studies courses at any level. Courses must be taken from at least 2 major areas

TOTAL 20 sh

REL 111. INTRODUCTION TO THE OLD TESTAMENT 4 sh

Students are introduced to the history, literature and religion of the Israelite people in context of ancient Near Eastern culture.

REL 112. INTRODUCTION TO THE NEW TESTAMENT 4 sh

New Testament studies the rise and development of Christianity and its literature.

REL 121. WORLD RELIGIONS 4 sh

The origin, historical development and beliefs of selected religious traditions are the focus of this course.

REL 134. INTRODUCTION TO RELIGIOUS STUDIES 4 sh

Religious Studies considers the human religious experience and its impact throughout history and in the contemporary world.

REL 181. INTERNSHIP IN RELIGIOUS STUDIES

1 sh

An optional internship may occasionally be offered in conjunction with "Introduction to Religious Studies."

REL 251. RELIGIOUS STUDIES ABROAD

4 sh

Religious study tours are offered to England, India and/or the Middle East (Israel, Egypt and Jordan). Winter Term only.

BIBLICAL STUDIES**REL 321. ARCHAEOLOGY OF THE ANCIENT NEAR EAST**

4 sh

This study surveys major archaeological research as it relates to the Near East, with particular emphasis on Egypt, Palestine and Mesopotamia.

REL 322. OLD TESTAMENT PROPHETS

4 sh

The background, personal characteristics, function, message and present significance of the Hebrew prophets is the focus of this course.

REL 324. JOB

4 sh

Study of the Old Testament Book of Job includes its contents, literary structure, impact on modern literature and drama and its message about senseless tragedy for today's world.

REL 325. REVELATION AND OTHER APOCALYPTIC LITERATURE

4 sh

The course examines the origins of apocalyptic thought in early Jewish and Christian history. While half of the course is a very close and detailed reading of Revelation, some Old Testament and intertestamental apocalyptic literature is also read.

REL 326. LIFE AND THOUGHT OF PAUL

4 sh

This study analyzes major motifs of Paul's theology by interpreting his New Testament writings.

REL 329. JESUS AND THE GOSPELS

4 sh

The course is a close reading and comparison of Matthew, Mark, and Luke in parallel columns, along with the non-canonical Gospel of Thomas. John will be read

separately toward the end of the course.

THEOLOGICAL AND ETHICAL STUDIES**REL 334. MODERN RELIGIOUS THINKERS**

4 sh

Course study consists of an examination of the theologies of selected major thinkers in the Judeo-Christian tradition.

REL 336. LIFE AND THOUGHT OF THE CHRISTIAN CHURCH

4 sh

This course considers the influence of Christianity in a sociocultural and theological perspective and examines church personalities, controversies and decisions from Jewish antecedents to the present day.

REL 338. CONTEMPORARY THEOLOGY

4 sh

Beginning with background in historical theology, the class will study different theological perspectives and developments of the modern world.

REL 341. CHRISTIAN ETHICS

4 sh

Special attention is given to analyzing selected personal and social ethical issues in a systematic and biblically based study of the types and principles of Christian ethical theory.

REL 345. A THEOLOGY OF HUMAN LIBERATION

4 sh

This study analyzes contemporary types of liberation theology — Third World liberation, Black liberation, women's liberation — through studying significant representative writings and biographies.

REL 347. WOMEN AND RELIGION

4 sh

The course considers the influence of religion on women in home, church and society through the years and the impact of women past and present on religion, religious thinking and religious institutions.

REL 348. ENVIRONMENTAL ETHICS

4 sh

In an exploration of the moral dimensions of the environmental crisis, students examine the roles which religious and philosophical ethics play in providing frameworks for understanding environmental issues and developing guidelines for

addressing specific contemporary problems.
(REL 348 is the same course as PHL 348.)

- REL 355. PHILOSOPHY OF RELIGION** 4 sh
(Same course as PHL 355. See PHL 355 for description.)

EASTERN AND ISLAMIC STUDIES

- REL 353. BUDDHISM** 4 sh

This course gives students a critical understanding of basic concepts and doctrines of Buddhism, considering the similarities and contrasts between different major schools of Buddhism as well as Buddhism's relationship to Taoism and Confucianism.

- REL 356. HINDUISM** 4 sh

This study of the history, scripture, and beliefs of this major religion of India includes topics such as the doctrine of creation, karma, reincarnation and the problem of evil.

- REL 357. ISLAM** 4 sh

Study of the history, scripture and beliefs of Islam gives attention to Islam as an influential force in the contemporary world.

SPECIAL COURSES

- REL 365. LITERATURE AND THEOLOGY** 4 sh

(Same course as ENG 365. See ENG 365 for description.)

- REL 380. RELIGION IN CONTEMPORARY BRITAIN** 4 sh

The focus of this travel course centers on a study of the beliefs and practices of various faith communities in a multi-cultural and plural society, specifically modern-day Britain.

- REL 471. SEMINAR: SPECIAL TOPICS** 1-4 sh

- REL 481. INTERNSHIP IN RELIGIOUS STUDIES** 1-4 sh

This course provides opportunities for upper-level students to apply concepts and information gained in the religious studies classroom to actual experiences in local community and church agencies or as teaching assistants in freshman level classes. Max. 4 sh toward major. Prerequisite: junior/senior majors only, faculty approval.

- REL 491. INDEPENDENT STUDY** 1-4 sh

Upper-class majors (or others by instructor consent) may complete individual study in an area of special interest with the guidance of a member of the department. Max. 6 sh credit.

- REL 492. SENIOR SEMINAR** 2 sh

In this capstone course, the student and the department evaluate performance over the student's past years of study. Required of all majors during senior year.

SCIENCE EDUCATION

Coordinator: Associate Professor Agnew

The Departments of Biology, Chemistry, and Physics in cooperation with the Department of Education offer programs leading to the Bachelor of Arts in Science Education with Secondary Science Comprehensive Certification and with Secondary Science Certification in the areas of Biology, Chemistry, and Physics.

The Bachelor of Arts degree with Secondary Science Comprehensive Certification requires the following courses:

Professional Studies Courses in Education, Psychology, and Information Systems	35 sh
PHY 102 Astronomy	4 sh
PHY 103 Geology	4 sh
All courses in one of the concentrations listed below	40 sh
Eight semester hours in science courses from each of the other two listed areas	4-16 sh

TOTAL

87-99 sh

Concentrations***Biology concentration:***

BIO 111	Introductory Cell Biology	3 sh
BIO 112	Introductory Population Biology	3 sh
BIO 113	Cell Biology Lab	1 sh
BIO 114	Population Biology Lab	1 sh
BIO 221	Zoology	4 sh
BIO 222	Botany	4 sh
BIO 322	Molecular/Cellular Biology	4 sh
CHM 111	General Chemistry I	3 sh
CHM 112	General Chemistry II	3 sh
CHM 113	General Chemistry I Lab	1 sh
CHM 114	General Chemistry II Lab	1 sh
CHM 211	Organic Chemistry I	3 sh
CHM 213	Organic Chemistry I Lab	1 sh

Select one course from: 4 sh

BIO 312	Comparative Vertebrate Anatomy
BIO 321	Microbiology
BIO 325	Human Histology
BIO 335	Field Biology
BIO 341	Animal Physiology
BIO 342	Plant Physiology
BIO 452	General Ecology

Select one course from: 4 sh

CHM 212&214	Organic Chemistry II & Lab
CHM 232	Chemical Separations
CHM 332&333	Physical Chemistry I & Lab

TOTAL **40 sh**

Chemistry concentration:

CHM 111	General Chemistry I	3 sh
CHM 112	General Chemistry II	3 sh
CHM 113	General Chemistry I Lab	1 sh
CHM 114	General Chemistry II Lab	1 sh
CHM 211	Organic Chemistry I	3 sh
CHM 212	Organic Chemistry II	3 sh
CHM 213	Organic Chemistry I Lab	1 sh
CHM 214	Organic Chemistry II Lab	1 sh
CHM 232	Principles of Chemical Separation	4 sh or
CHM 311	Quantitative Analysis	4 sh
CHM 332	Physical Chemistry I	3 sh
CHM 333	Physical Chemistry I Lab	1 sh
BIO 111	Introductory Cell Biology	3 sh

BIO 113	Introductory Cell Biology Lab	1 sh
PHY 113	General Physics W/Calculus I	4 sh
PHY 114	General Physics W/Calculus II	4 sh
(Physics 111 and 112 may be substituted for Physics 113 and 114)		
MTH 121	Calculus and Analytic Geometry I	4 sh
TOTAL		40 sh

Physics concentration:

PHY 113	General Physics W/Calculus I	4 sh
PHY 114	General Physics W/Calculus II	4 sh
(Physics 111 and 112 may be selected to satisfy 8 sh in Physics for Biology or Chemistry concentration.)		
PHY 213	Modern Physics	4 sh
PHY 301	Classical Mechanics and Dynamical Systems	4 sh
PHY 311	Classical Electrodynamics	4 sh
PHY 312	Electricity, Magnetism, and Field Theory	4 sh
MTH 115	College Algebra and Elementary Functions	4 sh
MTH 121	Calculus and Analytic Geometry I	4 sh
MTH 221	Calculus and Analytic Geometry II	4 sh
MTH 321	Calculus and Analytic Geometry III	4 sh
TOTAL		40 sh

Secondary Science Certification

The Bachelor of Arts degree with Secondary Science Certification requires the following courses:

Professional Studies Courses in Education and Psychology	35 sh
PHY 102 Astronomy	4 sh
PHY 103 Geology	4 sh
All courses in one of the concentrations listed below	40 sh
Twelve semester hours in science courses from one of the other two listed areas	0-12 sh
TOTAL	83-95 sh

Concentrations**Biology concentration:**

BIO 111	Introductory Cell Biology	3 sh
BIO 112	Introductory Population Biology	3 sh
BIO 113	Cell Biology Lab	1 sh
BIO 114	Population Biology Lab	1 sh
BIO 221	Zoology	4 sh
BIO 222	Botany	4 sh
BIO 322	Molecular/Cellular Biology	4 sh

Select one course from: 4 sh

- BIO 312 Comparative Vertebrate Anatomy
- BIO 321 Microbiology
- BIO 325 Human Histology
- BIO 335 Field Biology
- BIO 341 Animal Physiology
- BIO 342 Plant Physiology
- BIO 452 General Ecology

- CHM 111 General Chemistry I 3 sh
- CHM 112 General Chemistry II 3 sh
- CHM 113 General Chemistry I Lab 1 sh
- CHM 114 General Chemistry II Lab 1 sh
- CHM 211 Organic Chemistry I 3 sh
- CHM 213 Organic Chemistry I Lab 1 sh

Select one course from: 4 sh

- CHM 212/214 Organic Chemistry II & Lab
- CHM 232 Principles of Chemical Separation
- CHM 332/333 Physical Chemistry I & Lab 4 sh

TOTAL **40 sh**

Chemistry concentration:

- CHM 111 General Chemistry I 3 sh
- CHM 112 General Chemistry II 3 sh
- CHM 113 General Chemistry I Lab 1 sh
- CHM 114 General Chemistry II Lab 1 sh
- CHM 211 Organic Chemistry I 3 sh
- CHM 212 Organic Chemistry II 3 sh
- CHM 213 Organic Chemistry I Lab 1 sh
- CHM 214 Organic Chemistry II Lab 1 sh
- CHM 232 Principles of Chemical Separation 4 sh or
- CHM 311 Quantitative Analysis 4 sh
- CHM 332 Physical Chemistry I 3 sh
- CHM 333 Physical Chemistry I Lab 1 sh
- BIO 111 Introductory Cell Biology 3 sh
- BIO 113 Introductory Cell Biology Lab 1 sh
- PHY 113 General Physics W/Calculus I 4 sh
- PHY 114 General Physics W/Calculus II 4 sh
- (Physics 111 & 112 may be substituted for Physics 113 and 114)
- MTH 121 Calculus and Analytic Geometry I 4 sh

TOTAL **40 sh**

Physics Concentration:

- PHY 113 General Physics W/Calculus I 4 sh
- PHY 114 General Physics W/Calculus II 4 sh
- PHY 213 Modern Physics 4 sh

PHY 301	Classical Mechanics and Dynamical Systems	4 sh
PHY 311	Classical Electrodynamics	4 sh
PHY 312	Electricity, Magnetism, and Field Theory	4 sh
MTH 115	College Algebra and Elementary Functions	4 sh
MTH 121	Calculus and Analytic Geometry I	4 sh
MTH 221	Calculus and Analytic Geometry II	4 sh
MTH 321	Calculus and Analytic Geometry III	4 sh
TOTAL		40 sh

222

SOCIOLOGY

Chair, Department of Sociology: Professor Basirico

Coordinator, Anthropology Minor: Professor Bolin

Professors: Arcaro, T. Henricks

Assistant Professor: Curry

Instructor: Bernhart

Sociology and anthropology provide the student with an exceptional understanding of the world by developing an awareness of how society and culture shape our lives and perspectives. Studying sociology and anthropology is more like a journey in which we learn to stand outside ourselves to see our world with new eyes.

Sociologists and anthropologists study all forms and dimensions of human social and cultural behavior from the institutional to the interpersonal. For example: How do people select a mate? How are people organized into groups such as sororities, fraternities and sports teams? How do institutions such as the family, economy, government, religion and health care develop and affect our lives?

With their wide scope, sociology and anthropology are linked to all the disciplines and are complementary to any major found at Elon. The U.S. is a culturally diverse society and solutions to our interpersonal, community, national and international problems demand an understanding of society and culture.

The socio-cultural perspective students develop through sociology and anthropology is an asset not only in their personal lives, but also in business, politics, economics, health care, education, health and fitness, social services, the mental health field, urban planning, family planning and many other professions.

A major in Sociology requires the following courses:

SOC 111	Introductory Sociology	4 sh
SOC 112	Introduction to Anthropology	4 sh
SOC 115	Sociocultural Inquiry	4 sh
SOC 261	Sociological Theory	4 sh
SOC 451	Comprehensive Review in Sociology	2 sh
SOC 461	Senior Seminar in Sociology	4 sh
SSC 285	Research Methods	4 sh
Sixteen semester hours of electives in Sociology courses and/or Mathematics 114 (Elementary Statistics)		16 sh
TOTAL		42 sh

A minor in Sociology requires the following courses:

SOC 111	Introductory Sociology	4 sh
SOC 115	Sociocultural Inquiry	4 sh
Twelve semester hours selected from Sociology courses		12 sh
TOTAL		20 sh

A minor in Anthropology requires the following courses:

SOC 112	Introduction to Anthropology	4 sh
SOC 115	Sociocultural Inquiry	4 sh
Twelve semester hours selected from		12 sh
SOC 121	Cross-Cultural Encounters (2sh)	
SOC 212	Cultural Anthropology	
SOC 253	Studies Abroad in Australia	
SOC 322	Ethnography	
SOC 323	Issues in Culture and Psychology (2 sh)	
SOC 324	Culture and Sex	
SOC 325	Culture and Health	
SOC 326	Culture of the Corporation	
SOC 327	Encountering the Sacred	
SOC 328	Culture and the Modern World	
SOC 345	Sociocultural Perspectives on Gender	
SOC 362	Readings in Anthropology	
SOC 380-389	Special Topics in Anthropology	
SOC 482	Internship in Anthropology (1-4 sh)	
ENG 303	Linguistics	

TOTAL	20 sh
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SOC 111 INTRODUCTORY SOCIOLOGY 4 sh

An introduction to basic theoretical principles and research methods of modern sociology, including such issues as the relationship between culture, personality and society; the fundamental forms of social structure; social institutions such as religion and the family; and social processes such as deviance and social change. Offered fall and spring.

SOC 112. INTRODUCTION TO ANTHROPOLOGY 4 sh

Students explore the meaning of human nature as it has developed over time and is given expression in human cultures. Study emphasizes bio-cultural evolution of the human species, methods used to study both physical and cultural evolution and the diversity and development of human

language. Offered fall and spring.

SOC 115. SOCIOCULTURAL INQUIRY 4 sh

Students develop an understanding of the ways sociologists and anthropologists inquire about society, use socio-cultural perspectives and theories to frame researchable questions and discuss ways of collecting and analyzing information. Special emphasis is given to library and other informational technology and to qualitative methodology, including content analysis and field research. Prerequisite: SOC 111 or 112. Offered spring.

SOC 121. CROSS CULTURAL ENCOUNTERS 2 sh

This course is an introduction to the subject of culture and to living in a multicultural world. The central theme of the course is appreciating as well as understanding

cultural diversity. Students will develop and expand their cultural sensitivity through a variety of experiential activities focused on becoming more aware of the role of culture as central in defining who we are as individuals. Exposure to the unique approaches of anthropologists in encountering and communicating with peoples of different cultures and backgrounds will be emphasized. This course will serve as an excellent foundation for a variety of majors in communications, the humanities, the social sciences, business, education, and for those with a geographic focus such as Asia, Africa, Russia, etc. It will also serve as preparation for studies abroad experience.

SOC 131. SOCIOLOGY THROUGH FILM 4 sh

This course explores sociological principles, concepts, theories, ideas, themes, and issues as they may be illustrated in cinema, television, and commercials. Relevant sociological readings are assigned to accompany the specific sociological content being illustrated in each session.

SOC 212. CULTURAL ANTHROPOLOGY 4 sh

This introduction to the study of human cultures focuses on the concept of culture, and presents theories and methods used by anthropologists studying peoples across the globe, including ourselves. Topics include social organization, marriage, making a living, religion and political organization, among others. Prerequisite: SOC 111 or 112.

SOC 241. SOCIAL ISSUES AND PROBLEMS 4 sh

Students investigate social issues pertaining to institutions and use a sociological framework to discover the interconnections between national and global problems. Study focuses on causes, consequences and policies concerning such problems as racism, sexism, poverty, war, overpopulation, and issues pertaining to institutions of the family, economy, government, medicine, religion and others.

SOC 245. NONVIOLENCE OF THE BRAVE: FROM GANDHI TO KING 4 sh

Students are exposed to the ideas and personalities of political philosophers and

leaders who have influenced major non-violent social and political movements in the 20th century. Common themes appearing in the philosophies and action plans of Thoreau, Gandhi, King, and others are explored and compared to the philosophies and action plans of leaders such as Mao Tse Dong, Malcolm X and others. The course includes readings, feature films, and documentaries.

SOC 253. STUDIES ABROAD IN AUSTRALIA 4 sh

Students experience Western Australia through anthropological and sociological perspectives. The influence of Aboriginal, European, and Pacific migrants on Australian culture is examined. A predominant focus of the course is an exploration of aboriginal peoples in relationship to Euro-Australian interests. Students are exposed to a rich cultural milieu through orientation prior to departure, participant-observation, focused observations, field trips, lectures, and directed self-learning. This course is offered during winter.

SOC 261. SOCIOLOGICAL THEORY 4 sh

In sociological theory, students explore conceptualization and model-building in modern sociology and consider the emergence of sociological traditions or perspectives. Topics concentrate on underlying assumptions, historical and intellectual background and logical consequences of these positions. This course is a Writing Intensive Course in the department, meaning at least 70 percent of the grade comes from writing assignments during the course. Prerequisite: SOC 111. Offered spring.

SOC 311. THE FAMILY 4 sh

An investigation of the family as an institution in societies, focusing on the development and current patterns of the American family. Specific topics include social class differences, racial and ethnic variations, premarital patterns, marital interaction, family problems and the future prospects for the family. Prerequisite: SOC 111.

SOC 314. SOCIOLOGY OF SPORT 4 sh

This course focuses on sport as a major social institution in American society. Topics include the social organization of sport, the relationship of sport to other aspects of American life such as politics and education, the experiences of African-Americans, women, and youth in sport and the broader effects of sport on culture, personality and society.

SOC 322. ETHNOGRAPHY 4 sh

This course teaches the methods anthropologists use to gain access, develop rapport, collect and analyze data and interpret findings when studying human cultures. Students also read selected ethnographies (first hand accounts by anthropologists who have lived among peoples of various cultures throughout the globe, including ourselves). Prerequisite: SOC 111 or 112.

SOC 323. ISSUES IN CULTURE AND PSYCHOLOGY 2 sh

Exploration of developments in psychological anthropology emphasizes recent trends, including culture and mental illness, altered states of consciousness and the relationship of culture and emotion. Prerequisite: SOC 111 or 112.

SOC 324. CULTURE AND SEX 4 sh

This course examines human sexuality from a bio-cultural perspective, exploring the physiology of human sexuality and the cross-cultural context of sexual expression. Themes include alternative sexual lifestyles, sexual dysfunction, the symbolic dimensions of sexuality and AIDS. Prerequisite: SOC 111 or 112.

SOC 325. CULTURE AND HEALTH 4 sh

This study of the bio-cultural basis of health and disease over time and across cultures examines the importance of culture in the experience of illness, diagnosis and treatments. Topics include the cultural implications of food and food habits, health care practices, the relationship of healers and patients, alternative health care practices and the relationship of mind and body in illness and recovery. Prerequisite: SOC 111 or 112.

SOC 326. CULTURE OF THE CORPORATION 4 sh

This course investigates culture as found in corporations, compares the organization of work in corporate settings to work experience in other cultures, and analyzes companies in terms of organizational cultures including management strategies, the company gestalt, rituals, formal and informal roles, subcultures, etc. Prerequisite: SOC 111 or 112.

SOC 327. ENCOUNTERING THE SACRED 4 sh

Students develop an understanding of non-western views of the world through intellectual and experiential study of Native American perspectives. Anthropological concepts are used in conjunction with non-western methods of understanding. The course emphasizes the power of the oral tradition as a learning tool and explores the continuities and diversities of the Native American belief systems. Experiential activities include conversations with Native American healers and leaders, participation in Pow Wows and a variety of outdoor activities designed to help the students develop an animistic perspective.

SOC 328. CULTURE AND THE MODERN WORLD 4 sh

This course examines the changes that have created the "modern" world. The course initially considers social and cultural changes in Europe and America during the nineteenth and twentieth centuries, including changes in public ideas and values, economics, politics, religion, family life, community, education and public ceremony. A key theme will be the impact on self-experience. The second part of the course focuses on these issues as they are occurring presently within the developing countries. The nature and influence of an emerging global "community" will be examined. Prerequisite: SOC 111 or 112.

SOC 329. PEOPLES AND CULTURES OF SOUTHEAST ASIA 4 sh

This course examines the area cultural anthropologists designate as Southeast Asia. Major sources include the Paleolithic record for an understanding of demographics, population, migration patterns, human

biological variation (race) and cultural continuities. This course focuses on five central themes: (1) the diverse ethnic population and cultures of Southeast Asia; (2) the pattern of ecological adaptation; (3) marriage practices and family life; (4) ideology and ritual expressions, including the spiritual realms and religious life; and (5) problems of modernization and culture change. Prerequisite: SOC 111 or 112.

SOC 331. THE SELF AND SOCIETY 4 sh

Self and society involves the ways individuals are influenced by social interaction with others, with attention to the interaction processes of socialization, developing an identity, and individual identities affecting interactions. Other topics include the impact of social change, increased technological developments in everyday life, and post-modernism on the self and the sociological perspectives of symbolic interactionism and dramaturgy. Prerequisite: SOC 111.

SOC 332. CONTEMPORARY ENVIRONMENTAL ISSUES AND HUMAN VALUES 4 sh

This course has three distinct but interrelated components and focuses on the interaction between environmental concerns and human cultural systems. One section of study centers upon historical and macro-theoretical perspectives on environmental issues. Another specific focus is on understanding the American culture and how our particular values and priorities have manifested themselves vis-a-vis the natural environment. A third component focuses on the growing need for environmental planning on all levels from local to global.

SOC 333. SOCIAL STRATIFICATION 4 sh

This study of societal patterns of inequality includes consideration of differences in wealth, power, prestige and knowledge. Students examine the access levels groups have to these resources and the subsequent effects of their access level on educational opportunity, housing, health care, justice before the law, self esteem and life satisfaction. The stratification systems of the

different societies are studied, but the primary focus is on institutionalized inequality in the U.S. Prerequisite: SOC 111.

SOC 341. ETHNIC AND RACE RELATIONS 4 sh

Students examine the meaning of minority group status in terms of the general patterns and problems confronting all minorities as well as the specific issues facing individual minority groups, such as African-Americans, Jews, European-Americans, and Asian-Americans. Discussion emphasizes the nature of prejudice and discrimination, the structure of minority-majority relations and strategies toward social equality. Prerequisite: SOC 111.

SOC 342. SOCIAL DEVIANCE 4 sh

This course considers deviance and social control in societal context. Emphasis is placed on the ways in which deviance is defined cross-culturally and on the different ways in which "deviants" are labeled and treated. The course focuses on socio-cultural explanations of deviance within such areas as mental and physical health, drug use, sexual expression, aggression and personal identity. The relationship between deviance and social stratification is examined. Prerequisite: SOC 111.

SOC 343. SOCIAL AND CULTURAL CHANGE 4 sh

Concern for the nature and direction of modernization provides a foundation in this course as students analyze patterns of social and cultural change (especially in technologically advanced societies such as the U.S.). Topics include innovation, diffusion, evolution, revolution, collective behavior and social movements, with emphasis on the causes of patterns and their effects on individual and public life. Prerequisite: SOC 111.

SOC 344. SOCIOCULTURAL CHANGE IN INDIA 4 sh

This course uses the world recognized Comprehensive Rural Health Project located in Jamkhed, India as a case study of progressive social change. A reliance on grassroots level effort, appropriate technol-

ogy and long term strategies has made this project very successful, especially in its ability to positively impact the lives of women and children. Various sociological theories and methodologies will be examined in the context of this case study. Both ethnographic and quantitative data collected both by the instructor and from CRHP sources will be presented, examined and analyzed. The question of the possibility of "transplanting" this model to other cultural settings will be discussed. Students will be asked to research a social change organization of their choosing as part of this class. Prerequisite: SOC 111 or 112.

SOC 345. SOCIOCULTURAL PERSPECTIVES ON GENDER

4 sh

Students use sociological and anthropological perspectives, theories and concepts to analyze the meaning of being female and male in American society. Discussion emphasizes the inequities based upon gender, particularly the problems faced by women. Prerequisite: SOC 111 or 112.

SOC 347. COMMUNITY ORGANIZATION AND DEVELOPMENT

4 sh

Students explore characteristics of the changing pattern of community life by examining community organizations and analyzing the effect of change on community integration and development. The course emphasizes the types of relationships which people and organizations enter or form by clustering in the same location. Democratic processes in community action and principles of organization are also examined. Prerequisite: SOC 111.

SOC 351. SOCIOLOGY OF POPULAR CULTURE

4 sh

This course studies the nature and significance of culture as this is presented to the public through movies, magazines, newspapers, television, music, radio, popular fiction, spectator events and mass-produced consumer goods. The course will focus on patterns of production, distribution and consumption of popular culture; thematic issues; and effects on behavior. A special concern will be the relationship of popular

culture images to "visions of the good life" in the modern US. Prerequisite: SOC 111.

SOC 355. SOCIOLOGY OF CRIME

4 sh

This course provides a sociological explanation of crime, with a focus on the relationship between social structure and criminal behavior. Included in this approach are studies of individual criminal behavior. Both classic and contemporary theories of crime are explored. Emphasis is placed upon the American context. Prerequisite: SOC 111.

SOC 361. READINGS IN SOCIOLOGY

4 sh

In this colloquium of significant readings in sociology, students explore specific substantive topics, key theoretical issues and new developments in the discipline. Prerequisite: Junior or senior standing, SOC 111 or 112. Offered fall.

SOC 362. READINGS IN ANTHROPOLOGY

4 sh

In this colloquium of significant readings in anthropology, students explore specific substantive topics, key theoretical issues and new developments in the discipline. Prerequisite: Junior or senior standing, SOC 111 or 112. Offered fall.

SOC 370-379. SPECIAL TOPICS [IN SOCIOLOGY]

2-4 sh

A series of courses reflecting new contributions in sociology or sociological issues. Prerequisite: To be determined by instructor.

SOC 380-389. SPECIAL TOPICS IN ANTHROPOLOGY

2-4 sh

A series of courses reflecting new contributions in anthropology or anthropological issues. Prerequisite: To be determined by instructor.

SOC 451. COMPREHENSIVE REVIEW IN SOCIOLOGY

2 sh

Students review the major theories, principles and concepts in sociology as preparation for major evaluation. This course is intended primarily for senior sociology majors and sociology minors. Students from other areas who seek a review of the field also may take this course. Offered in the Fall. Prerequisite: Must be

sociology major, minor, or have permission of the instructor and be at least a junior. Offered fall.

SOC 461. SENIOR SEMINAR IN SOCIOLOGY 4 sh

This capstone course reviews major areas of sociology and provides further opportunity to share research on these topics. Students conduct research ranging from how sociological knowledge can be applied occupationally and politically to more basic, academic topics. Prerequisite: Senior Sociology major. Offered spring.

SOC 471. SEMINAR: SPECIAL TOPICS 2-4 sh

SOC 481. INTERNSHIP IN SOCIOLOGY 1-4 sh

Teaching, research, service and occupational internships are offered. Limited to 4 semester hours credit applicable to Sociology major or minor. Prerequisite: Department permission and must be at least a sophomore.

SOC 482. INTERNSHIP IN ANTHROPOLOGY 1-4 sh

Teaching, research, service and occupational

internships are offered. Limited to 4 semester hours credit applicable to Sociology major or minor, or Anthropology minor. Prerequisite: Department permission and must be at least a sophomore.

SOC 491. INDEPENDENT STUDY 1-4 sh

SOC 499. INDEPENDENT RESEARCH IN SOCIOLOGY 1-8 sh

In this special form of independent study, the student develops an individual project of original research under the guidance of a professor within the department. Prerequisites include at least sophomore standing; status as a sociology major or minor, or anthropology minor; satisfactory completion of SOC 115 or SSC 285; and permission of the sponsoring professor. Students are also required to complete the department's "independent research" form, a process that includes a description of the proposed research and a student-professor plan for completing the course.

228

SPORTS MEDICINE

Chair, Department of Health Promotion, Leisure and Human Performance: Professor Calhoun

Professors: Beedle, J.P. Brown

Associate Professor: Farmer

Assistant Professors: Baker, Binkley, Davis, Miller

Instructors: Shorten, Welch

The Department of Health Promotion, Leisure and Human Performance offers majors in Health Education, Leisure/Sport Management, Physical Education and Sports Medicine: Exercise Sports Science and Sports Medicine: Athletic Training.

The sports medicine major prepares graduates for careers in athletic training, cardiac rehabilitation, exercise physiology, corporate wellness and other related careers. After taking a series of core courses, the student chooses a concentration in either athletic training or exercise/sports science. Admission into the AT program follows NATA guidelines. The selection process is outlined in the Athletic Training Program Advisement Packet.

The athletic training concentration requires 1,500 hours of clinical experiences in order for the graduate to take the National Athletic Training Association certification exam.

The exercise/sports science concentration includes a practicum and internship experience. Students who wish to pursue graduate degrees may go on to physical therapy, exercise physiology and other areas of study.

A major in Sports Medicine requires the following core courses:

SPM 432	Research Methods	4 sh
SPM 422	Physiology of Exercise	4 sh
PED 305	Legal Aspects in HPEL	2 sh
PED 321	Kinesiology	4 sh
HED 324	Nutrition	4 sh
HED 421	Health of the Body Systems	4 sh
HED 220	First Aid	1 sh
BIO 161★	Human Anatomy	4 sh
BIO 162★	Human Physiology	4 sh
CHM 111★	General Chemistry I	3 sh
CHM 113★	General Chemistry I Lab	1 sh
Completion of Exercise/Sports Science track or Athletic Training track		14-30 sh
TOTAL		49-65 sh

★(Should be completed by freshman or sophomore year.)

Exercise/Sports Science track requires the following courses:

SPM 101	Introduction to Sports Medicine	2 sh
SPM 281	Practicum in Sports Medicine/ Exercise/Sports Science	2 sh
SPM 324	Exercise Motivation	2 sh
SPM 424	Exercise Programming	4 sh
SPM 482	Internship in Exercise/Sport Science	4 sh
TOTAL		14 sh

Athletic Training track requires the following courses:

SPM 112	Athletic Training I	4 sh
SPM 212	Athletic Training II	4 sh
SPM 329	Assessment of Athletic Injuries	4 sh
SPM 330	Therapeutic Exercise and Rehabilitation	4 sh
SPM 430	Therapeutic Modalities	2 sh
SPM 481	Internship in Sports Medicine	4 sh
PED 410	Organization and Administration	4 sh
PSY 111	General Psychology	4 sh
TOTAL		30 sh

Completion of 1,500 clinical hours

A minor in the Exercise/Sport Science track requires the following courses:

SPM 422	Physiology of Exercise	4 sh
HED 324	Nutrition	4 sh
PED 321	Kinesiology	4 sh
BIO 161	Human Anatomy	4 sh
BIO 162	Human Physiology	4 sh
TOTAL		20 sh

SPM 101. INTRODUCTION TO SPORTS MEDICINE

2 sh

This course is an overview of professions in the field of sports medicine. Career opportunities within sports medicine and allied health will be investigated. Objectives include describing various aspects of careers, determining requirements for advanced study and learning what the necessary coursework would be for applying to several professions of interest.

SPM 112. ATHLETIC TRAINING I

4 sh

This course introduces the student to the profession and principles of athletic training, including topics such as sports medicine organizations, emergency care of specific injuries, emergency procedures, tissue repair and healing, transportation and transfer of catastrophic injuries, methods of bandaging and dressing wounds and adhesive taping. Offered fall and spring.

SPM 281. PRACTICUM IN SPORTS MEDICINE/ EXERCISE/SPORTS SCIENCE

2 sh

The practicum introduces the student to professions in sports medicine and health-related fields. Students must choose three different agencies to work in, with about 27 hours at each agency. Students must turn in typed reports including a brief discussion of the experience, reflections and a critique of the experience/agency. Students may also assist with patient/client care and/or training and shadow their supervisor. Students must make arrangements with their professor the semester before taking the practicum. Prerequisite: SPM 101; majors only. Offered fall, winter, spring and summer.

SPM 212. ATHLETIC TRAINING II

4 sh

Students will gain practical knowledge and hands-on experience of advanced skills and techniques of athletic training. Topics include, but are not limited to: protective sports devices and equipment; drugs and sports; skin disorders; specific sports conditions and injuries; and advanced taping skills. Prerequisite: SPM 112, BIO 161, BIO 162, Admission to the Athletic Training

Education Program or permission of instructor. Offered spring.

SPM 324. EXERCISE MOTIVATION

2 sh

Students examine the underlying motivations for why people do and do not exercise and methods to change negative behaviors to positive ones. Topics include Kenyons theory, psychological effects of exercise, exercise and personality, exercise and self-concept and anorexia. Offered spring.

SPM 329. ASSESSMENT OF ATHLETIC INJURIES

4 sh

This course familiarizes students with the principles of assessing sport injuries, including injury history, inspection, palpation, range of motion tests, muscle function tests, joint stability, neurological tests and specific anatomical features. This course is designed with a lecture and laboratory component. Prerequisite: SPM 212, admission to the Athletic Training Education Program or permission of instructor. Offered fall.

SPM 330. THERAPEUTIC EXERCISE AND REHABILITATION

4 sh

Students study the process and components of therapeutic rehabilitation. Emphasis is placed on deconditioning and reconditioning following injury as well as the contribution of various forms of exercise and therapeutic techniques on recovery. Prerequisites: SPM 212, Admission to the Athletic Training Education Program or permission of instructor. Offered spring.

SPM 422. PHYSIOLOGY OF EXERCISE

4 sh

Students examine the immediate and long-term effects of exercise on the body, including the integration of various bodily systems as a result of exercise and the role of nutrition and exercise in weight management. Laboratory activities include aerobic capacity testing, blood lipid and metabolic profiles, determination of body composition and adult fitness testing. This course requires a three-hour lab. Prerequisite: BIO 162. Offered fall and spring.

SPM 424. EXERCISE PROGRAMMING 4 sh

Students gain applied knowledge in order to evaluate, develop and supervise exercise programs for both healthy and special populations. Topics include basic terminology, risk identification, types of fitness tests, indications and contraindications to exercise, program administration and effective communication techniques. Prerequisite: SPM 422. Offered spring.

SPM 430. THERAPEUTIC MODALITIES 2 sh

A study in the theoretical principles governing the application of therapeutic thermal, electrical, and mechanical modalities in a rehabilitation program is offered. The course mixes classroom lecture and hands-on experience to facilitate the understanding of modality use. Prerequisites: SPM 329 Admission to the Athletic Training Education Program or permission of instructor. Offered fall.

SPM 432. RESEARCH METHODS 4 sh

Students become familiar with basic research terminology and concepts, including statistics, developing a research problem, developing the research proposal, using computer software and measurement concepts. A research paper is required. Prerequisites: Senior standing; LSM 212, for LSM majors; SPM 422, for Exercise/Sport Science majors and SPM 329 for Athletic Training majors. Offered fall and spring.

SPM 481. INTERNSHIP IN SPORTS MEDICINE (ATHLETIC TRAINING) 4 sh

In this course, upper level majors have opportunities to apply classroom knowledge and skills to real world problems under the supervision of a faculty member and a

certified athletic trainer. Settings may include a sports medicine clinic, professional sports team, corporate setting, etc. Students must keep a daily journal of their experiences, which are discussed in conferences with the faculty supervisor. The student must also complete a project benefitting the internship facility, but which would not have been possible without the student. Student evaluations are based on these assignments. Students should make arrangements with their professors the semester prior to taking the internship. Prerequisite: SPM 329, 330, junior/senior majors only, permission of department, 2.0 GPA overall; 2.0 GPA in major. Offered fall, spring and summer.

SPM 482. INTERNSHIP IN SPORTS MEDICINE (EXERCISE/SPORT SCIENCE) 4 sh

Upper-class exercise/sports science majors select a sports medicine or health-related agency for their internship, a capstone experience. Students serve 160 hours at the agency. Students turn in biweekly reports including a brief discussion of the experience, reflections and a critique of the experience/agency. Students may engage in problem solving assignments and perform research on some particular topic. Students may also assist with patient/client care and/or training and shadow their supervisor. A research paper is due near the end of the experience. Students should make arrangements with their professors the semester prior to taking the internship. Prerequisite: SPM 281. Junior/Senior status only; 2.0 GPA overall, 2.0 GPA in major. Offered fall, spring and summer.

SPM 499. RESEARCH IN SPORTS MEDICINE

1-4 sh

THEATRE ARTS

Chair, Department of Performing Arts: Associate Professor McNeela
Assistant Professors: Becherer, Rubeck
Adjunct Instructor: Johnson, Webb

The study of Theatre Arts can be a vital part of a liberal arts education. Creativity, teamwork, problem-solving, communication skills and critical thinking are all enhanced by this study, regardless of the student's eventual career goals.

The Department of Performing Arts offers both a Bachelor of Arts degree and a minor in Theatre Arts. Students who major in this field are prepared for graduate studies in Theatre or related fields or possible entry into the professional world.

The course of study within this major emphasizes a thorough grounding in all areas of the Theatre Arts (performance, production, design and directing, theatre history and literature) and a student-selected upper level emphasis. To provide practical application of coursework, students are expected to participate actively in department productions. For those interested in a career in theatre, regular opportunities exist for contact with the professional world through regional and national conferences, conventions, auditions and competitions.

The minor in Theatre Arts is designed for the general theatre enthusiast. Students complete a study of the base level skills in performance, production and theory, followed by advanced study in a selected area. The purpose of this study is to create more informed audience members and avocational participants.

A major in Theatre Arts requires the following courses:

THE 120	Voice & Movement	4 sh
THE 210	Technical Production in Theatre	4 sh
THE 220	Performance Skills I	4 sh
THE 230	Playscript Analysis	4 sh
THE 301	Theatre History & Literature I	4 sh
THE 302	Theatre History & Literature II	4 sh
THE 340	Theatre Design	4 sh
THE 430	Play Direction	4 sh
THE 495	Senior Seminar	4 sh

Twelve semester hours (at least 8 sh at 300-400 level)
selected from: 12 sh

- (a) electives in THE or MTE
- (b) dramatic literature courses (ENG 342, 343, 352, or any course in English or Foreign Language which focuses on dramatic literature.)

TOTAL **48 sh**

Emphasis Tracks

Selections from the following series of electives are recommended for students who wish to focus their study on either Performance or Design & Production. Students must complete twelve semester hours (at least 8 sh at 300-400 level).

a) Performance Track:

THE 221	Performance Skills II	4 sh
THE 222	Fundamentals of Make-up Design & Application	2 sh
THE 223	Theatre Ensemble	1 sh
THE 225	Vocal Production & Diction	4 sh
THE 310	Advanced Projects in Theatre	2-4 sh
THE 320	Special Topics in Performance	4 sh
THE 330	Playwriting	4 sh

b) Design & Production Track:

THE 210	Theatre Workshop	2-4 sh
THE 222	Fundamentals of Make-up Design & Application	2 sh

THE 310 Advanced Projects in Theatre	2-4 sh
THE 440 Special Topics in Theatre Production and Design	4 sh

A minor in Theatre Arts requires the following courses:

THE 101 Introduction to Theatre	4 sh
THE 123 Acting for Non-Majors	4 sh
THE 210 Technical Production in Theatre	4 sh
Eight hours THE electives at the 300-400 level	8 sh
TOTAL	20 sh

233

THE 101. INTRODUCTION TO THEATRE 4 sh

Students explore the nature of theatre, how it is created and how it functions in society. Primary study covers the diversity of the art form, basic terminology and the event/audience relationship. Performance reaction papers, creative projects and lab hours are required. Offered fall or spring. (THE 101 is the same course as FNA 101.)

THE 110. THEATRE WORKSHOP 2-4 sh

Students work with a professor to earn credit for hands-on experiences in theatrical production. Max. 4 sh credit. Offered fall, winter and spring.

THE 120. VOICE & MOVEMENT 4 sh

Students learn to free and expand their physical and vocal instruments, removing tension and inhibitions to become flexible, creative and expressive performers. Prerequisite: theatre arts/music theatre majors, or permission of instructor. Offered fall.

THE 125. ACTING FOR NON-MAJORS 4 sh

Designed to meet the interests of the non-major. With this course's dual focus, students gain experience in acting and examine topics such as the art of acting, leading to a more informed audience respondent. Performance reaction papers are required. Offered fall or spring.

THE 210. TECHNICAL PRODUCTION IN THEATRE 4 sh

Students learn the basics of theatrical production in scenery and lighting, including fundamental drafting skills. A heavy hands-on lab is required. Offered fall.

THE 220. PERFORMANCE SKILLS I 4 sh

Students work toward more effective communication by developing physical, vocal, and imaginative acting skills. Character development and improvisation create the core work leading to deeper understanding of actors' working methods. Performance reaction papers are required. Prerequisite: THE 120. Offered fall.

THE 221. PERFORMANCE SKILLS II 4 sh

Students prepare scenework exercises to continue developing acting skills, with focus on realistic drama approached through a Stanislavski-based methodology. Performance reaction papers are required. Prerequisite: THE 220. Offered spring.

THE 222. FUNDAMENTALS OF MAKE-UP DESIGN AND APPLICATION 2 sh

Students learn the basic art of 2- and 3-dimensional stage make-up design and application, including corrective, age, fantasy and prosthetics. Students must purchase a make-up kit and serve on make-up crew for current department productions. Offered alternating years.

THE 223. THEATRE ENSEMBLE 1 sh

Students earn credit for performing in department productions. This course is repeatable. Prerequisite: Admission by audition only. Offered fall and spring.

THE 225. VOCAL PRODUCTION AND DICTION 4 sh

Students study correct speaking voice production and diction for the standard American dialect, including the mechanics

of speech, identification and correction of vocal problems, the International Phonetics Alphabet and standard production of vowel and consonant phonemes. Voice reaction papers and in-class presentations are required.

THE 230. PLAYSCRIPT ANALYSIS 4 sh

Students learn various methods of analyzing playscripts as a basis for interpretation for all theatre artists. Performance reaction papers are required. Offered alternating years.

THE 301. THEATRE HISTORY AND LITERATURE I 4 sh

Students explore the origins of the art form and its development through the 17th century, emphasizing understanding the historical context of the text and its performance conditions and methods by studying representative plays of each period. A major research assignment is required. Offered alternating years.

THE 302. THEATRE HISTORY AND LITERATURE II 4 sh

Students further explore the evolution of the art form from the 17th century to the present with emphasis on understanding the historical context of the text and its performance conditions and methods by studying representative plays of each period. A major research assignment is required. Offered alternating years.

THE 310. ADVANCED PROJECTS IN THEATRE 2-4 sh

Advanced, experienced theatre students earn credit for assuming major responsibilities in department productions. May be repeated for credit. Prerequisite: permission of instructor, availability of projects. Offered fall, winter and spring.

THE 320. SPECIAL TOPICS IN PERFORMANCE 4 sh

In this course for advanced performers, each semester examines a different topic, such as audition techniques, stage dialects, acting for the camera and period style. Performance reaction papers are required. May be

repeated for credit. Prerequisites: THE 220, 221, majors only.

THE 330. PLAYWRITING 4 sh

Students learn the skills, working methods and processes of theatrical playwriting by studying playscripts and known playwrights and by strenuous writing assignments. Study culminates in a completed one-act script.

THE 340. THEATRE DESIGN 4 sh

As students learn to interpret text into visual design in scenery, costumes, and lighting, study focuses on decision-making, conceptualization, manipulating the elements and principles of design, communicating the design, and coordinating production design. Production reaction papers and lab hours are required. Prerequisites: THE 210 or permission of the instructor. Offered alternating years.

THE 430. PLAY DIRECTION 4 sh

Working methods of the stage director—from analysis through rehearsal—are the focus of this study, which culminates in the production by each student of a one-act play. Discussion emphasizes decision-making and communicating with actors. Production reaction papers and lab hours are required. Prerequisites: THE 220, 230. Offered alternating years.

THE 440. SPECIAL TOPICS IN THEATRE PRODUCTION AND DESIGN 4 sh

Students conduct an in-depth examination of a different topic each semester, such as scenic design, lighting design, costume design, production stage management and technical direction. Production reaction papers are required. May be repeated for credit. Prerequisites: THE 210, 230, 340.

THE 495. SENIOR SEMINAR 4 sh

This capstone experience for senior theatre arts majors concentrates on two areas: a practical project demonstrating proficiency in the field and preparation for graduate study or work in the profession. Prerequisite: senior majors only. Offered fall.

WOMEN'S STUDIES/GENDER STUDIES*Coordinator:* Professor Granowsky

Women's Studies is an interdisciplinary program begun nationally in the 1970s—at Elon in 1988—with the goal of rethinking academic disciplines from the perspective of women's experience. This endeavor has challenged theoretical and empirical understandings of women and men and produced a wealth of new scholarship. Gender Studies was added in 1996 to broaden the focus of this new perspective and scholarship to include the study of men and masculinity. Students report that the study of women's issues and gender questions helps them think critically, analyze material from diverse perspectives and make informed decisions about their lives both before and after they graduate.

A minor in Women's Studies/Gender Studies requires the following: Sixteen semester hours chosen from these courses:

GST 270	Women, Men and Society	4 sh
ECO 317	The Economics of Women	4 sh
ENG 333	Women in Literature: Feminist Approaches	4 sh
ENG 356	British Women Novelists	4 sh
ENG 361	Gender Issues in Cinema	4 sh
HST 364	History of Women in the United States	4 sh
PHL 345	Feminist Philosophy	4 sh
PSY 315	Psychology of Sex and Gender	4 sh
REL 347	Women and Religion	4 sh
SOC 324	Anthropology of Sex	4 sh
SOC 345	Sociocultural Perspectives on Gender	4 sh
WGS 371-379S	Special Topics in Women's Studies/Gender Studies	4 sh

Other Women's Studies/Gender Studies courses*

Four semester hours chosen from these courses:

WGS 461-9	Seminars on Various Topics	4 sh
WGS 481	Internship in Women's Studies/Gender Studies	1-4 sh
WGS 491	Independent Study	1-4 sh

TOTAL **20 sh**

* Other courses cross-listed with disciplines will be offered from time to time, with a suffix "WGS" indicating that they may be used to fulfill Women's Studies/Gender Studies requirements.

WGS 371-379. SPECIAL TOPICS IN WOMEN'S STUDIES/GENDER STUDIES 4 sh

WGS 461-469. SEMINARS ON VARIOUS TOPICS 4 sh

These interdisciplinary seminars combine two or more approaches in feminist and/or gender scholarship, with varying concentrations on significant topics. Prerequisites: junior standing and two women's studies/gender studies courses.

WGS 481. INTERNSHIP IN WOMEN'S STUDIES/GENDER STUDIES 1-4 sh

Teaching, research, service and occupational internships focusing on women/gender issues are offered. Prerequisite: two women's studies/gender studies courses and permission of coordinator.

WGS 491. INDEPENDENT STUDY 1-4 sh



Graduate Degree Requirements

Degrees and Major Fields

Master of Business Administration (MBA)

Master of Education (M.Ed. in Elementary Education or Special Education)

Master of Physical Therapy (MPT)

237

Master of Business Administration (MBA)

Elon College offers an opportunity for individuals to earn a Master of Business Administration (MBA) degree while continuing their careers. All courses are taught in the evenings during the regular fall, winter, spring and summer academic periods.

Admissions Policy

The MBA admissions policy encourages the selection of students who have demonstrated both academic ability and managerial promise. Each application is considered in light of all completed academic work, the Graduate Management Admission Test (GMAT) score, evidence of leadership and motivation, professional experience and letters of recommendation.

Undergraduates are not permitted to register for graduate courses.

For an application, Graduate Catalog or more information about the MBA program and specific admissions requirements, please contact the Elon College Office of Graduate Admissions.

Basic Requirements

- Bachelor's degree from an institution accredited by the Southern Association of Colleges and Schools or a comparable accrediting association
- Official transcripts of all undergraduate and graduate courses of study
- Test score from GMAT taken within last five years
- International students must submit TOEFL scores unless English is the student's native language or the language of instruction
- Personal interview with MBA Committee member
- Three written references

Degree Requirements

- Minimum cumulative grade point average of 3.0 in all graduate courses
- Completion of 39 graduate hours (13 courses) within six calendar years
- Application for graduation by the dates published by the Registrar

- Completion of the last six semester hours at Elon College
- Participation in Commencement exercises

Program of Study

MBA 500	Environmental Change and Organizational Adaptation	3 sh
MBA 510	Enhancing Leadership Effectiveness	3 sh
MBA 515	Managerial Economics	3 sh
MBA 520	Quantitative Decision Making	3 sh
MBA 525	Marketing Management	3 sh
MBA 530	Managerial Accounting	3 sh
MBA 535	Productivity Improvement	3 sh
MBA 540	Financial Management	3 sh
MBA 545	Strategic Market Positioning	3 sh
MBA 550	Advanced Financial Strategies	3 sh
MBA 555	Strategy Implementation: Leading the Change Process	3 sh
MBA 560	Leading Organizations in the 21st Century	3 sh
MBA 565	International Business	3 sh

Program Guidelines

- Required undergraduate foundation courses in accounting, economics and organizational behavior/management.
- Demonstrated proficiency in computer skills and mathematics.
- Students may enter the program by taking MBA 500 in either August or January.
- MBA 555, the capstone course, must be taken in the student's semester of graduation.

Course Schedules

MBA courses are scheduled during Monday through Thursday evening periods.

Master of Education (M.Ed.)

Elon College offers an opportunity for individuals to earn a Master of Education (M.Ed.) degree, with specialty areas in Elementary Education and Special Education (Specific Learning Disabilities or Behaviorally/Emotionally Disabled), while continuing their careers. All courses are taught in the evenings during fall and spring semesters and in the daytime during summer school.

Admissions Policy

The M.Ed. admissions policy is designed to select students who have demonstrated both academic competence and teaching ability. Each application is considered in light of all completed academic work, scores from either the Graduate Record Examinations (GRE) or the Miller Analogies Test (MAT), evidence of leadership and motivation, possession of a recognized teaching credential and letters of recommendation.

Undergraduates are not permitted to register for graduate courses.

For an application, Graduate Catalog or more information about the M.Ed. program, please contact Elon College Office of Graduate Admissions.

Basic Requirements

- Bachelor's degree from an institution accredited by the Southern Association of Colleges and Schools or a comparable accrediting association
- Overall 2.5 GPA for undergraduate work or 3.0 GPA for the last 60 semester hours or in the major courses
- Official transcripts of all undergraduate and graduate courses of study
- Recognized teaching license or commitment to achieving licensure. Candidates must have met undergraduate requirements for a North Carolina initial license, or higher, before being recommended for graduate licensure
- Minimum MAT score of 30 or a preferred verbal and quantitative score of 800 on the GRE taken within last five years prior to application for admission
- Three written references

239

Degree Requirements

- Completion of courses specified under the Graduate Core Curriculum and specialty area—Elementary or Special Education
- Minimum cumulative grade point average of 3.0 in all graduate courses
- Completion of 33 or 36 graduate hours (11 or 12 courses) within six calendar years
- Satisfactory performance on a written comprehensive examination taken during or after the last semester of enrollment
- NTE specialty area examination required for Special Education licensure
- Completion of the last six semester hours at Elon College
- Application for graduation by the dates published by the Registrar
- Participation in Commencement exercises except for those completing requirements during summer school

Programs of Study

All students are required to complete the Graduate Core Curriculum.

Elementary Education (K-6)

In addition to the Graduate Core Curriculum, students are required to complete the Elementary Education core of Education 511, 521, 530, 532, 550 and three courses from: Education 522, 523, 540, 560, 591; Mathematics 521; Science 565; Social Studies 531, 541, 546.

Special Education (K-12)

In addition to the Graduate Core Curriculum, students are required to complete the Special Education core of Education 535, 542, 543, 545, 580 and two courses from Education 523, 530, 532, 534, 544, 546.

Students select either the area of Specific Learning Disabilities or Behaviorally/Emotionally Handicapped as their major. Students majoring in Specific Learning Disabilities are required to complete Education 547. Students majoring in Behaviorally/Emotionally Handicapped are required to complete Education 548.

Graduate Core Curriculum—Elementary and Special Education

EDU 515	Educational Testing and Measurement	3 sh
EDU 516	Educational Research	3 sh
PSY 515	Advanced Psychological Theory in the Classroom	3 sh

Elementary Education Core:

EDU 511	Advanced Foundational Studies	3 sh
EDU 521	Survey of Elementary Curriculum: Development and Content	3 sh
EDU 530	Diagnosis and Remediation in Language Arts	3 sh
EDU 532	Collaboration and Consultation Skills	3 sh
EDU 550	Meeting Special Learning Needs of Children	3 sh

Elementary Education Electives: Select three courses

EDU 522	Communication Skills in the Elementary School	3 sh
EDU 523	Instructional Technologies in the Classroom	3 sh
EDU 540	Literature for Children and Youth: Analysis and Application	3 sh
EDU 560	Trends in Teaching Social Studies (K-6)	3 sh
EDU 591	Independent Study	3 sh
MTH 521	Math Concepts for the Elementary School Teacher	3 sh
SCI 565	Integrated Science for Elementary and Middle Grade Teachers	3 sh
SST 531	Advanced Studies in American Government	3 sh
SST 541	Special Topics in Economics	3 sh
SST 546	North Carolina in the Nation	3 sh

Special Education Core:

EDU 535	Assessment Methods, Use and Interpretation	3 sh
EDU 542	Historical, Legal, Educational Aspects of Special Education	3 sh
EDU 543	Specialized Instructional Methods and Materials	3 sh
EDU 545	Planning and Managing the Learning Environment	3 sh
EDU 580	Internship in Special Education	6 sh

Specific Learning Disabilities Major: Specialty Course

EDU 547	Nature and Needs of Students with Learning Disabilities	3 sh
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Behaviorally/Emotionally Handicapped Major: Specialty Course

EDU 548	Nature and Needs of Students with Behavior Disorders	3 sh
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Special Education Electives: Select two courses:

EDU 523	Instructional Technologies in the Classroom	3 sh
EDU 530	Diagnosis and Remediation in Language Arts	3 sh
EDU 532	Collaboration and Consultation Skills	3 sh
EDU 534	Curriculum Development and Design in Special Education	3 sh
EDU 544	Academic Support Skills for Exceptional Children and Youth	3 sh
EDU 546	Advanced Behavior Management	3 sh

Course Load**241**

Students may enroll in a maximum of three courses during fall and spring semesters. It is recommended that students who are employed full-time register for no more than two courses during a semester. Courses are scheduled in two sessions during the summer months.

Six calendar years are allowed for completion of the M.Ed. program.

Course Schedules

During the fall and spring semesters classes are scheduled Monday through Thursday from 5:30-8:30 p.m. Each class meets one evening per week.

Summer school is planned to accommodate the working schedules of public school teacher; daytime classes are scheduled.

Master of Physical Therapy (MPT)

The Department of Physical Therapy Education offers an entry-level Master of Physical Therapy (MPT) degree which prepares students for multifaceted roles in the physical therapy profession. Elon's unique modular curriculum is designed to integrate and coordinate courses and modules in a sequence that enhances learning. Graduates will be highly skilled clinical generalists able to provide services throughout the broad spectrum of health care.

Admissions Policy

The MPT admissions policy supports the selection of students who have demonstrated academic competence (overall and in natural science foundation courses), leadership ability and personal integrity. Each application is considered in light of all academic undergraduate work, Graduate Record Examinations (GRE) scores, volunteer or work experience in the profession and references.

For an application packet, listing of prerequisite courses or more information about the MPT program and specific admissions requirements, please contact the Elon College Office of Graduate Admissions.

Basic Requirements

- Bachelor's degree in a field other than physical therapy, from a regionally accredited institution or date when degree is expected (degree must be completed before matriculation in MPT program)

- Minimum GPA of 3.0 in both cumulative undergraduate and sciences are given admissions priority
- Official transcripts of all previous college courses and degrees
- Test score from GRE taken within last five years
- Personal statement
- Knowledge of physical therapy profession through work or volunteer experience
- Three written references
- Preadmission interview on campus if invited
- International students must submit TOEFL scores unless English is the student's native language or the language of instruction; English translations of transcripts and grading system explanations required through the World Education Services or Josef Silny & Associates, Inc.

Degree Requirements

- Minimum cumulative grade point average of 3.0
- Completion of 16 modules and 155 total credit hours
- Application for graduation by the dates published by the Registrar
- Participation in Commencement exercises

Program of Study

Year 1		Credit Hours
MPT 500	Psychosocial Aspects of Health Care	3
MPT 501	Today's Health Care Systems	2
MPT 501	Introduction to Research	1
MPT 503	Anatomy I	5
MPT 504	Anatomy II	5
MPT 505	Kinesiology and Pathokinesiology I	4
MPT 506	Kinesiology and Pathokinesiology II	4
MPT 507	Physical Therapy Science I	2
MPT 508	Physical Therapy Science II	3
MPT 509	Physical Therapy Science III	3
MPT 510	Human Life Sequences	2
MPT 511	Physiology and Pathophysiology I	5
MPT 512	Physiology and Pathophysiology II	5
MPT 513	Research Design I	2
MPT 514	Preparation for Clinical Practicum I	1
MPT 515	Preparation for Clinical Practicum II	1
MPT 518	Clinical Practicum I	2
MPT 519	Clinical Practicum II	2
MPT 522	Foundations of Musculoskeletal Intervention	5
MPT 523	Evaluation/Treatment of Upper Quarter Musculoskeletal Problems	5

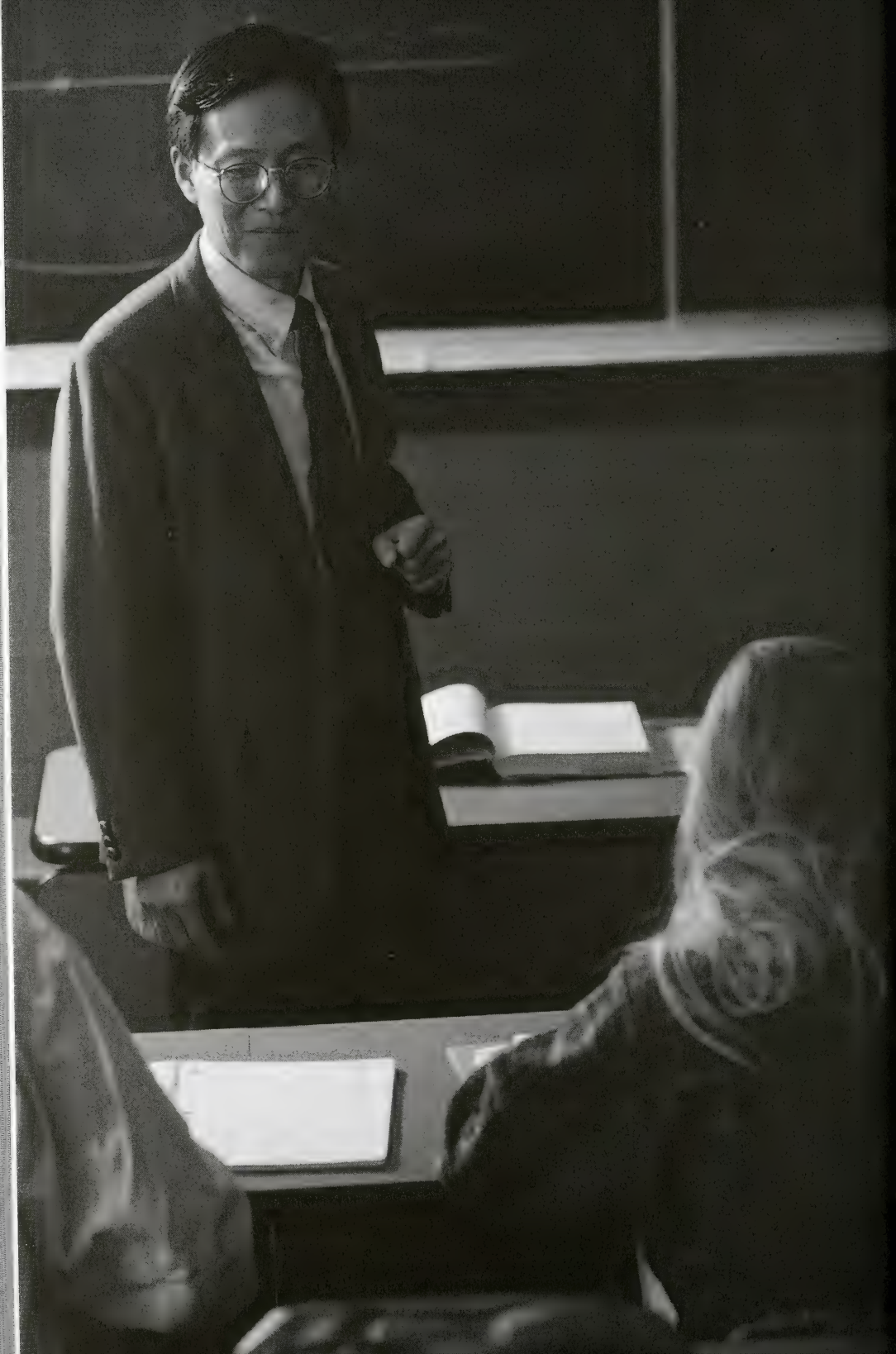
MPT 524	Evaluation/Treatment of Lower Quarter Musculoskeletal Problems	5
MPT 525	Research Design II	2
MPT 530	Principles of Teaching and Learning	2
Year II Credit Hours		
MPT 516	Preparation for Clinical Practicum III	.5
MPT 517	Preparation for Clinical Practicum IV	.5
MPT 520	Clinical Practicum III	12
MPT 526	Neuroscience	8
MPT 528	Evaluation & Treatment of Neurological Disorders	10
MPT 529	Principles of Electrotherapeutic Evaluation and Treatment	3
MPT 531	Physiology of Exercise	4
MPT 532	Evaluation & Treatment of Cardiopulmonary System	4
MPT 533	Role of Physical Therapy in Clinical Medicine Problems	3
MPT 534	Prevention and Management of Problems in the Aging Adult	4
MPT 535	Prevention & Management of Problems in the Pediatric Population	4
MPT 536	Principles of Administration and Management	3
MPT 537	Rehabilitation: The Neuro-Musculoskeletal and Cardiopulmonary Systems	7
MPT 538	Prosthetics, Orthotics, and Gait	2
MPT 540	Directed Research I	1
Year III (Final Phase – 4 months)		Credit Hours
MPT 521	Clinical Practicum IV	12
MPT 539	Electives	4
MPT 542	Directed Research II	1

Program Guidelines

- Required undergraduate courses in biology, human anatomy, human physiology, general chemistry, physics, psychology, statistics and English composition
- Demonstrated proficiency in computer skills

Course Schedules

The full-time program begins in January and continues year-round for two years and four months. Classes are taught in modules of varying lengths.



Directory & Appendices

Officers of the Corporation

Gail McMichael Drew, *Chair of the Board*

Noel Allen, J.D., *Vice Chair*

The Rev. G. Melvin Palmer, Ed.D.,
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Gerald L. Francis, Ph.D.,
Assistant Secretary and Assistant Treasurer

Leo M. Lambert, Ph.D.,
President of the College

Terms Expiring May 31, 2000

Wallace L. Chandler, Richmond, Va.

R. Leroy Howell, D.D.S., Suffolk, Va.

Robert E. LaRose, Clifton, Va.

Donald A. Lopes, Providence, R.I.

W.E. Love Jr., Burlington, N.C.

James W. Maynard, Burlington, N.C.

Kebbler McGhee Richards, Raleigh, N.C.

Bob E. McKinnon, Hickory, N.C.

James B. Powell, M.D., Burlington, N.C.

William H. Smith, Burlington, N.C.

Terms Expiring May 31, 2001

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Mark S. Richter, Greenport, N.Y.

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Robert A. Ward, Burlington, N.C.

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William A. Hawks, Burlington, N.C.

Michele Skeens Hazel, Broad Run, Va.

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Richard L. Thompson, Ed.D., Raleigh, N.C.

Terms Expiring May 31, 2003

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Robert Model, New York, N.Y.

Thomas E. Powell III, M.D.,
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Zachary T. Walker III,
Greensboro, N.C.

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The Rev. Rollin O. Russell, D.Min.,
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258

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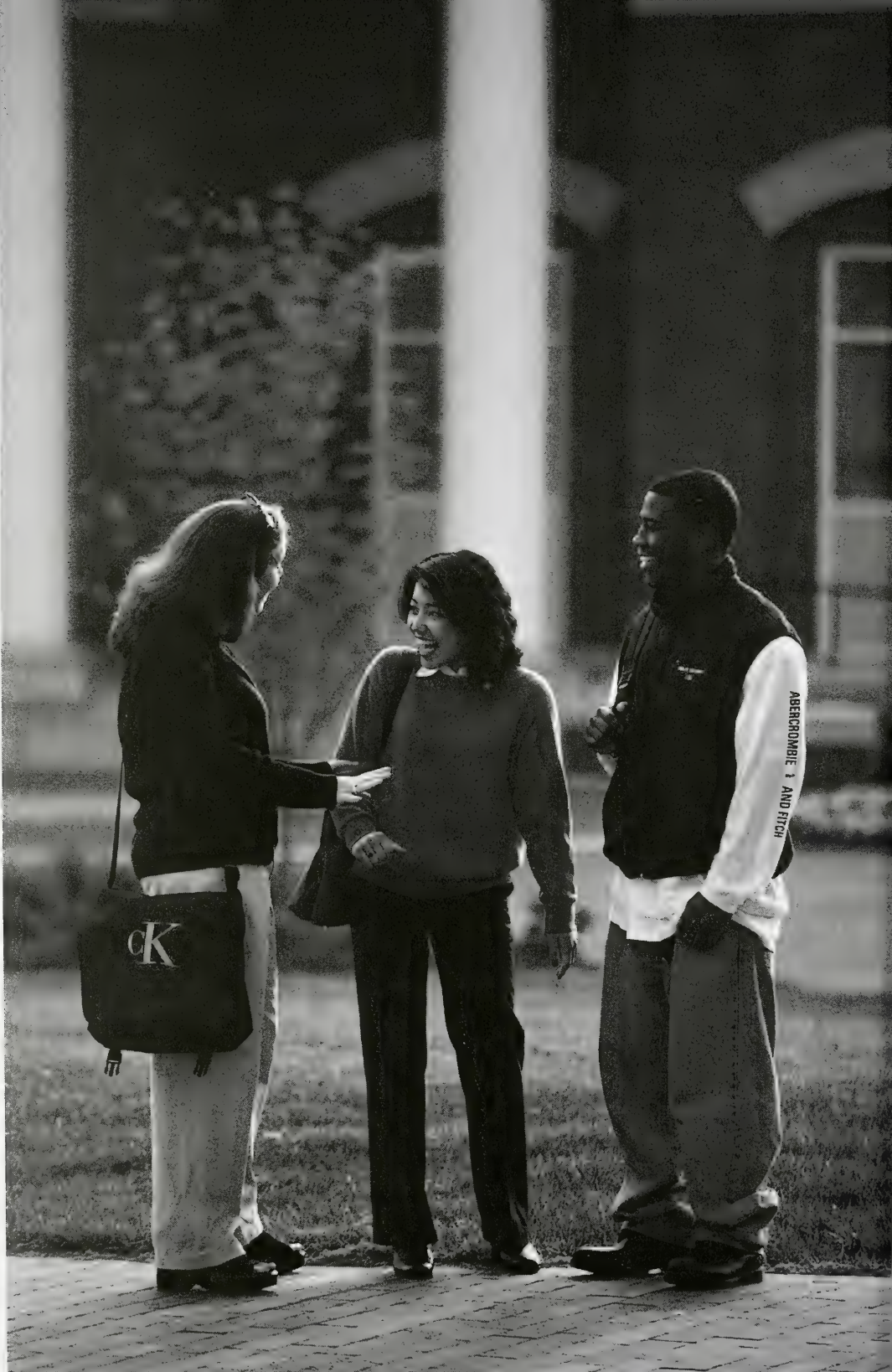
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Index

A	Absence From Tests and Examinations	74
	Academic Advising Center	31
	Academic Program	19
	Academic Standing	76
	Academic Support Services	31
	Acceptance on Condition	49
	Access to Student Educational Records	76
	ACCOUNTING AND FINANCE	83
	Accreditation	8
	Admissions. <i>See</i> Application: Deadlines	
	Early Decision	46
	International Students	48
	Notification	46
	Requirements	46
	Special Students	49
	Transfer Admissions	47
	Transfer Credit	47
	Advanced Placement Examination	50
	African American Resource Room	37
	AFRICAN/AFRICAN-AMERICAN STUD- IES	86
	ANTHROPOLOGY	223
	Application	
	Deadlines	45
	Procedures	45
	ART	87
	ASIAN/PACIFIC STUDIES	90
	Athletics, Intercollegiate	43
	Attendance	73
	Auditing Courses	72
B	Bachelors Degree Requirements	80
	BIOLOGY AND ALLIED HEALTH	92
	Medical Technology	94
	BUSINESS ADMINISTRATION	99
	Business, The Martha and Spencer Love School of	21
C	Calendar	4
	Academic Calendar	8

	Campus	11
	Campus Living	34
	Campus Safety and Police	35
	Career Center	29
	Career Planning	29
	Employment Service	30
	Internships and Co-ops	30
	CHEMISTRY	104
	Classification	71
	College-Level Examination Program (CLEP) ..	50
	COMMUNICATIONS. <i>See</i> JOURNALISM AND COMMUNICATIONS	
	Communications Media	41
	Communications with Elon College	3
	Computer Facilities	32
	COOPERATIVE EDUCATION	112
	Course Load	71
	Courses	83
	Credit by Examination	72
	CRIMINAL JUSTICE	113
	Cultural Life	36

D	DANCE	114
	Degrees and Major Fields	79
	Degrees and Major Fields of Concentration ...	19
	Department Examination	50
	Deposit	
	Commuter Students	49
	Refund Policy	48
	Resident Students	48
	Directory & Appendices	245
	Disabilities Service	31
	Disabilities Services. <i>See</i> Academic Support Services	
	Dismissal	77
	DRAMA. <i>See</i> THEATRE ARTS	
	Dropping Courses	72

E	Early Decision Plan, The	46
----------	--------------------------------	----

ECONOMICS	117
EDUCATION	122
ELEMENTARY EDUCATION	124
MIDDLE GRADES EDUCATION	125
SECONDARY EDUCATION	127
SPECIAL EDUCATION	126
SPECIAL SUBJECT AREAS (K-12)	128
El Centro de Espanol	37
Elon 101	23
Elon Experiences Transcript, The	27
Employment Services	30
Endowed Athletics Scholarships. <i>See</i> Scholarships: Endowed Athletics Scholarships	
Endowed Scholarships. <i>See</i> Scholarships: Endowed Scholarships	
Endowment and Sources of Income	67
ENGINEERING	132
ENGLISH	134
Enrichment Programs	27
ENVIRONMENTAL STUDIES	144
Evening School	23
Expenses	
Costs covered by Tuition	50
General Costs	50
Graduation Fees	53
Meal Plan	51
Miscellaneous Fees	53
Room Change Charge	51
Expenses for the 1999-2000 Academic Year	52
Experiential Learning	153

F Facilities	12
Administrative and Classroom Buildings	12
Athletic	14
Recreational Areas	15
Residence Halls	13
Support Facilities	15
Financial Aid	56
Application Procedures	60
Financial Assistance Based on Need	
Elon College Programs	57
Federal Programs	57
Institutional Grants	57
Need-based Endowed Scholarships	58
Financial Assistance Not Based on Need	58
Athletics Scholarships	59

Campus Employment	60
Fellows Scholarships	58
Loan Options	60
NC Legislative Tuition Grant	58
North Carolina Teaching Fellows	58
Presidential Scholarships	58
Private Scholarships	59
UCC Ministerial Discount	58
Loan Options That Are Not Based on Need	60
Payment Options	61
FINE ARTS	146
FOREIGN LANGUAGES	147
CHINESE	149
FRENCH	149
GERMAN	150
GREEK	150
JAPANESE	150
SPANISH	151
Full-Time Enrollment/Day Students (12-18 hours). <i>See</i> Tuition: Full-Time Enrollment/Day Students (12-18 hours)	

G GENERAL STUDIES	152
General Studies	20
GEOGRAPHY	154
Grade Point Average (GPA)	75
Grade Reports	75
Grades and Reports	74
Graduate Degree Requirements	237
Graduate Programs. <i>See</i> Tuition: Graduate Programs	
Graduation Fees. <i>See</i> Tuition: Graduation Fees	
Graduation With Honors	75

H HEALTH EDUCATION	155
Health Service	33
High School Credit Bank Program	24
HISTORY	157
History of Elon College	6
Honor Societies	38
Honors	16
Honors Program, The	24
HUMAN SERVICES	163

I NDPENDENT MAJOR	167
Independent Study	72
Intercollegiate Athletics. <i>See</i> Athletics, Intercollegiate	
International and Multicultural Exposure	28
International Baccalaureate	50
International Students	48
I NTERNATIONAL STUDIES	168
Internship and Co-op Opportunities	28
Internships or Co-ops	30
Introduction	5
Isabella Cannon Leadership Program, The	26

J OURNALISM AND	
COMMUNICATIONS	170
BROADCAST	171
CORPORATE	171
FILM	172
JOURNALISM	170
Judicial System	35

L aRose Resources Center	31
Leaders for the Twenty-First Century Programs	24
Leaders for the Twenty-First Century	
Scholarships. <i>See</i> Scholarships: Leaders for the Twenty-First Century Scholarships	
Leadership Development	27, 38
LEISURE/SPORT MANAGEMENT.	178, 198
Library, The Carol Grotnes Belk	16, 31
Location	11

M ajor Fields of concentration	19
Major, The	82
Master of Business Administration (MBA)	237
Admissions Policy	237
Basic Requirements	237
Degree Requirements	237
Master of Education (M.Ed.)	238
Admissions Policy	238
Basic Requirements	239
Degree Requirements	239
Elementary Education (K-6)	239
Special Education (K-12)	239

Master of Physical Therapy (MPT)	241
Admissions Policy	241
Basic Requirements	241
Degree Requirements	242
MATHEMATICS	179
Meal Plan, The	51
Media and Television Services	31. <i>See also</i>
Academic Support Services	
MEDICAL TECHNOLOGY. <i>See</i> BIOLOGY AND ALLIED HEALTH	
Military	29
MILITARY SCIENCE	184
Minor Fields of Concentration	20
Minor, The	82
Minority Affairs	37
Mission of Elon College, The	5
Moseley Center	16, 36
MUSIC	187
Music Education	188
Music Performance	188
MUSIC THEATRE	192

N ew Student Orientation. <i>See</i> Orientation, New Student	
--	--

NON-VIOLENCE STUDIES	194
North Carolina Teaching Fellows Program	24

O rientation, New Student	35
Overload	73

P art-Time Enrollment/Day Students and All Evening. <i>See</i> Tuition: Part-Time Enrollment/Day Students and All Evening	
Pass/Fail Elective Courses	73
Personal Counseling	33
PHILOSOPHY	195
PHYSICAL EDUCATION	198
PHYSICS	202
POLITICAL SCIENCE	206
Pre-professional Programs	21
Pre-dental	22
Pre-law	22
Pre-medical	22
Pre-ministerial	23

Presidential Scholarships. <i>See</i> Scholarships: Presidential Scholarships	
Presidents and Deans Lists	75
Probation	76
Professional Programs	21
PSYCHOLOGY	210
PUBLIC ADMINISTRATION	213

272

R Recreation, Campus	41
Refunds	54
Registration	71
Religious Life	37
RELIGIOUS STUDIES	216
Repeat Courses	73
Research	29
Residence Halls	13
Residency Requirement	49
Room Reservation and Security Deposits	34
ROTC	29

S Scholarships	
Athletics Scholarships	59
Endowed Scholarships	61
Fine Arts Scholarships	59
Honors Fellows Scholarships	59
Isabella Cannon Leadership Fellows Scholarship	59
Jefferson-Pilot Business Fellows Scholarships	59
NC Contractual Scholarship Fund	57
Presidential Scholarships	58
Private scholarships	59
ROTC	59
Science Fellows Scholarships	59
SCIENCE EDUCATION	218
Science Fellows, The	27
Service Learning	28, 38
SOCIOLOGY	222
Special Students	49
Special/Optional Fees. <i>See</i> Tuition: Special/ Optional Fees	
SPORTS MEDICINE	228
Student Government Association	35
Student Life	33
Student Organizations	40

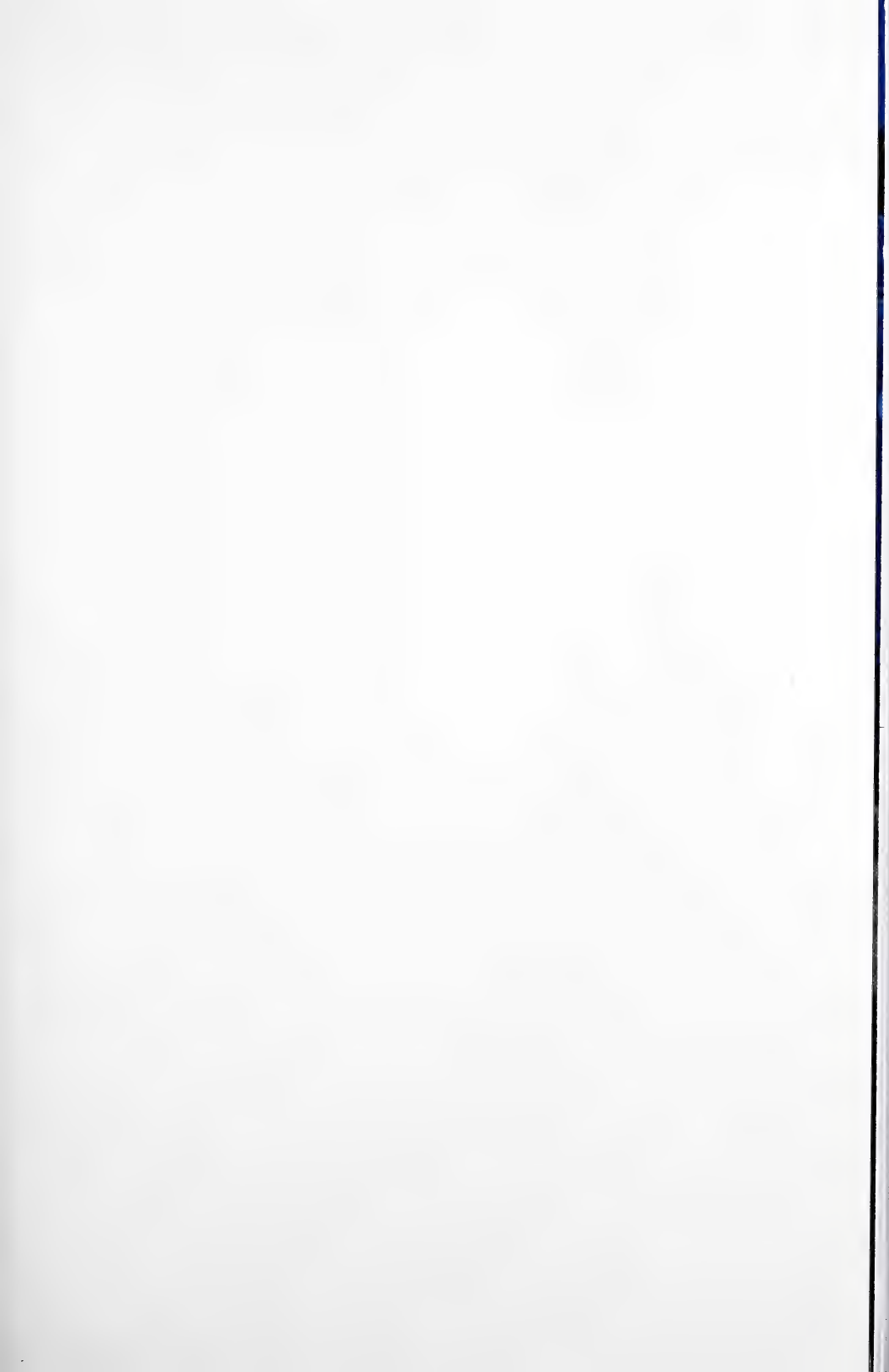
Student Union Board	36
Study Abroad	28.
<i>See also</i> International and Multicultural Experience	
Suspension	76

T The Carol Grotnes Belk Library. <i>See</i> Academic Support Services	
THEATRE ARTS	231
Traditional Events	43
Transcripts of Student Records	76
Transfer Admission	47
Transfer Credit	47
Transitional Program	23
Travel Information	17
Tuition	
Costs Covered by	50
Full-Time Enrollment/Day Students (12-18 hours)	52
Graduate Programs	53
Graduation Fees	53
Miscellaneous	53
Part-Time Enrollment/Day Students and All Evening	53
Special/Optional Fees	53
Tutoring, Free Peer	23

U Undergraduate Research	28, 73
V Veterans	29
Credit for	29, 50
Visitor Information	17

W Who's Who in American Colleges	41
Withdrawal	77
WOMEN'S STUDIES/ GENDER STUDIES	235
Work at Other Institutions	76
Writing Program	23















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Contents

Communications	3
Calendar	5
Introduction	7
Mission Statement	7
History	8
Students	9
Faculty	9
Programs	9
Academic Message	10
Academic Calendar	10
Accreditation	10
Campus and Facilities	13
Location	13
Campus	13
Facilities	14
Athletic Facilities	16
Support Facilities	17
Visitor Information	19
Travel Information	19
Academic Program	21
Degrees and Major Fields of Concentration	21
Minor Fields of Concentration	22
General Studies	22
The Martha and Spencer Love School of Business	23
Professional Programs	24
Preprofessional Programs	24
Evening School	26
Transitional Program	26
Peer Tutoring	26
Writing Program	26
Elon 101	26
High School Credit Bank Program	26
Leaders for the Twenty-First Century Programs	27
Enrichment Programs	31
Study Abroad	32
Independent Study and Research	32
Military	33
Career Center	33
Academic Support Services	34
Student Life	37
Student Services	37
Room Reservation and Security Deposits	38

Commuter Students	38
The Student Government Association	39
Judicial System	39
Campus Safety and Police	39
Cultural Life	40
The Student Union Board	40
Moseley Center	40
Religious Life	41
Minority Affairs	41
African American Resource Room	41
El Centro de Espanol	41
Leadership Development	42
Service Learning	42
Honor Societies	42
Student Organizations and Activities	44
Communications Media	45
Who's Who	45
Campus Recreation	45
Intercollegiate Athletics	47
Traditional Events	47

Admissions, Finances and Financial Aid . . . 49

Freshman Application Procedures	49
Freshman Admission Requirements	50
Freshman Admission Notification	50
The Early Decision Plan	50
Transfer Admission	51
Transfer Credit	51
International Student Admission	51
Enrollment Deposit for all Resident Students	52
Refund Policy	52
Enrollment Deposit for all Commuter Students	52
Residency Requirement	52
Special Students	53
Advanced Placement Examination	53
International Baccalaureate	53
College-Level Examination Program (CLEP)	53
Department Examination	53
Credit for Veterans	54
General Costs	54
Costs Covered by Tuition	54
The Meal Plan	54
Book Expenses	54
Room Change Charge	54
Expenses for the 2000-2001 Academic Year	55

Refunds	57	Finance	151
Financial Aid	58	Fine Arts	151
Financial Assistance Based on Need	59	Foreign Languages	152
Financial Assistance Not Based on Need	60	General Studies	157
Loan Options Not Based on Need	63	Geography	159
How to Apply for Financial Aid	63	Health Education	160
Need-based Financial Aid Application		History	162
Process for continuing Students	64	Human Services	168
Payment Options	64	Independent Major	172
Endowed Scholarships	64	International Studies	173
Leaders for the Twenty-First Century		Journalism and Communications	177
Scholarships	69	Leisure/Sport Management	184
Presidential Scholarships	69	Mathematics	186
Endowed Athletics Scholarships	69	Medical Technology	191
Endowment and Sources of Income	70	Military Science	191
General Academic Regulations	73	Music	194
Registration and Courses	73	Music Theatre	199
Grades and Reports	76	Non-violence Studies	201
Academic Standards and Withdrawal	79	Philosophy	202
Degree Requirements	81	Physical Education	205
Bachelor's Degree Requirements	82	Physics	210
The Major	83	Political Science	213
The Minor	83	Professional Writing Studies	217
Courses	85	Psychology	218
Accounting	85	Public Administration	222
Finance	88	Religious Studies	224
Art	90	Science Education	227
Asian/Pacific Studies	93	Social Science	230
Biology	95	Social Science Education	231
Business Administration	102	Sociology and Anthropology	232
Chemistry	107	Sports Medicine	238
Classical Studies	112	Theatre Arts	242
Communications	113	Women's Studies/Gender Studies	245
Computing Sciences	113	Graduate Programs	247
Cooperative Education	116	Degrees and Major Fields	247
Criminal Justice	117	Mission	247
Dance	118	Master of Business Administration (MBA)	248
Economics	121	Master of Education (M.Ed.)	249
Drama	121	Master of Physical Therapy (MPT)	252
Education	126	Directory	257
Engineering	135	Faculty, 1999-00	258
English	138	Administrative Officers and Staff	274
Environmental Studies	148	Index	287

Communications with Elon College

This bulletin contains pertinent information about the college, its philosophy, programs, policies, regulations and course offerings. All students and prospective students are urged to read it carefully and completely. Please direct correspondence to the appropriate individuals listed below:

3

President

- General information

Provost /Vice President for Academic Affairs

- Administrative and student life policies
- Long-range plans
- Academic program
- Academic work of students in college
- Faculty positions
- Special programs

Vice President for Enrollment Management/Dean of Admissions and Financial Planning

- Admissions
- Requests for undergraduate applications, catalogs or bulletins
- Scholarships, student loans and student employment
- Publications/public relations

Director of Graduate and International Admissions

- Admissions
- Requests for applications, catalogs or other information

Vice President for Student Life/Dean of Students

- Housing
- Student life

Vice President for Business, Finance and Technology

- Administrative services
- Payment of student accounts
- Inquiries concerning expenses

Vice President for Institutional Advancement

- Contributions, gifts or bequests
- Estate planning

Director of Career Center

- Career options for students and alumni
- Employment for students and alumni

Registrar

- Requests for transcripts
- Evaluation of transfer credits
- Student educational records

Director of Alumni and Parent Relations

- Alumni affairs
- Parent relations

Director of Academic Advising

- Course scheduling
- Academic counseling



Calendar

Fall Semester 2000

August 25 (Friday)	Orientation
August 26 (Saturday)	Orientation; Registration
August 28 (Monday)	Drop-Add Day
August 29 (Tuesday)	Classes Begin
September 4 (Monday)	Last Day for Late Registration
October 13 (Friday)	Mid-Semester Reports Due at 3:00 p.m.
October 20 (Friday)	Fall Break Begins at 2:30 p.m.
October 25 (Wednesday)	Fall Break Ends at 8:00 a.m.
October 26 (Thursday)	Last Day for Dropping Course with "W"
October 30 (Monday)	Last Day to Remove Incomplete "I" and "NR" Grades
November 8 (Wednesday)	Preregistration Begins for Winter Term & Spring Semester 2001
November 21 (Tuesday)	Thanksgiving Holiday Begins Following Evening Classes
November 27 (Monday)	Thanksgiving Holiday Ends at 8:00 a.m.
December 7 (Thursday)	Classes End
December 8 (Friday)	Reading Day (Evening Exams Begin)
December 9-14 (Sat-Thurs)	Examinations
December 18 (Monday)	Grades Due at 10:00 a.m.

Winter Term 2001

January 2 (Tuesday)	Registration (1:00-4:00 p.m.)
January 3 (Wednesday)	Classes Begin
January 4 (Thursday)	Last Day for Late Registration
January 12 (Friday)	Last Day for Dropping Course with "W"
January 15 (Monday)	Martin Luther King Jr. Holiday
January 23 (Tuesday)	Classes End
January 24 (Wednesday)	Examinations
January 25 (Thursday)	Grades Due at 3:00 p.m.

Spring Semester 2001

January 29 (Monday)	Registration
January 30 (Tuesday)	Drop-Add Day
January 31 (Wednesday)	Classes Begin
February 6 (Tuesday)	Last Day for Late Registration
March 16 (Friday)	Mid-Semester Reports Due at 3:00 p.m.
March 16 (Friday)	Spring Break Begins at 2:30 p.m.
March 26 (Monday)	Spring Break Ends at 8:00 a.m.
March 27 (Tuesday)	Last Day for Dropping Course with "W"
April 4 (Wednesday)	Assessment Day/SURF
April 5 (Thursday)	Last Day to Remove Incomplete "I" and "NR" Grades
April 9 (Monday)	Preregistration Begins for Summer and Fall 2001
May 8 (Tuesday)	Classes End
May 9 (Wednesday)	Reading Day (Evening Exams Begin)
May 10-15 (Thurs-Tues)	Examinations
May 16 (Wednesday)	Senior Grades Due By 9:00 a.m.
May 18 (Friday)	Grades Due at 10:00 a.m.
May 19 (Saturday)	Commencement; Last Day of School

Summer School 2001

Summer Session One

May 29 - Registration
May 30 - First Class Day
June 28 - Last Class Day
June 29 - Final Exams

Summer Session Two

July 9 - Registration
July 10 - First Class Day
July 30 - Last Class Day
July 31 - Final Exams



Introduction

Elon College is a coeducational, residential, church-related college situated on a spacious campus in the heart of the Piedmont near Burlington, North Carolina. Named for the Hebrew word for “oak,” the college is located in what was once an oak forest, and many of these majestic trees still grace Elon’s campus.

The third largest of the 36 private colleges and universities in North Carolina, Elon offers a wide range of choices in academics and campus activities, yet is small enough to allow students to feel a sense of personal involvement and interaction with faculty members and fellow students.

Motivated by the beliefs and spiritual values that have grown out of its founding by the historic Christian Church, Elon offers men and women a liberal arts education that enriches them as human beings, prepares them for the choice of a profession and for service to their communities. Within this context, Elon College also offers selected career-oriented majors and graduate programs to facilitate professional development.

Mission Statement

Rooted in the historic tradition of the United Church of Christ, Elon College embraces its founders’ vision of an academic community that transforms mind, body, and spirit and encourages freedom of thought and liberty of conscience.

To fulfill this vision, Elon College acts upon these commitments:

- We nurture a rich intellectual community characterized by active student engagement with a faculty dedicated to excellent teaching and scholarly accomplishment.
- We provide a dynamic and challenging undergraduate curriculum grounded in the traditional liberal arts and sciences and complemented by distinctive professional and graduate programs.
- We integrate learning across the disciplines and put knowledge into practice, thus preparing students to be global citizens and informed leaders motivated by concern for the common good.
- We foster respect for human differences, passion for a life of learning, personal integrity, and an ethic of work and service.

In keeping with these educational objectives, Elon College recognizes its broader responsibilities as an institution of higher learning. The college supports scholarly and artistic expression by providing the conditions for serious intellectual work by both students and faculty. It furthermore promotes open and honest inquiry, respect for persons of all circumstances, sensitivity to diverse cultural traditions, an understanding of the economic environment, an appreciation for the value of work and habits of democratic citizenship. As participants in a community of learners, all members of the college are expected to enact the ideals of personal integrity and public responsibility.

History

Elon College was founded by the Christian Church (now United Church of Christ) in 1889. Two schools were forerunners of Elon College: The Graham College, established in 1851 in Graham, North Carolina; and the Suffolk Collegiate Institute, established in 1872 in Suffolk, Virginia. In 1888, the Southern Christian Convention, now part of the United Church of Christ, voted to establish Elon College. Since its founding, eight presidents have provided the leadership essential for progress.

The site of the new college was known as Mill Point, located four miles west of Burlington, North Carolina. In its early years, Elon survived many difficulties. The student body population was severely reduced during World War I, and a major fire in 1923 destroyed most of the campus buildings. Within three years, a new campus emerged from the ruins: The five central buildings, including Alamance, were built at this time. The Great Depression and World War II also created challenges for the college.

The decades following World War II brought physical growth and academic development. As enrollment increased, new buildings went up and the college expanded beyond its brick walls. Students from half of the states in the Union, as well as from foreign countries, gave the college a regional complexion.

Elon experienced a decade of unprecedented growth during the 1980s. During this time, applications doubled and enrollment increased 35 percent, making Elon one of the fastest-growing colleges in the region. Dozens of academic and student life programs were added to enrich the quality of an Elon education. Special classes and volunteer programs were developed to provide students with leadership and service opportunities. In fall 1984, the college began offering a master of business administration degree; in the fall 1986, a master of education degree; and in fall 1997, a master of physical therapy degree. The college physical plant grew during the 1980s as well. Total campus acreage doubled, and square footage of buildings increased 73 percent. The college also made major investments in computer and library technology and equipment for the sciences and communications.

During this time, financial support for the college was strong, with annual revenues increasing more than 200 percent. Counted among Elon's most loyal benefactors are the alumni: 24 percent make a gift to the college each year, placing Elon among the top private colleges and universities in alumni participation.

Elon's forward momentum has continued in the 1990s. In an effort to further enhance teaching and academic excellence, the college revised the General Studies curriculum in 1994, converted to a four semester-hour structure, initiated a masters program in physical therapy and added significant new facilities; Moseley Center, a 74,000-square-foot campus center; Koury Center, a renovated physical education, athletic, recreation complex; the 81,000-square-foot Dalton L. McMichael Sr. Science Center and the 75,000-square-foot Carol Grotnes Belk Library.

As a result of these accomplishments, Elon is ranked 15th among 123 Southern regional colleges and universities in the 2000 *U.S. News and World Report* "America's Best Colleges" guidebook.

9

Although there have been many changes through the years, Elon remains church-related rather than church-controlled. It embraces general Christian principles and values as an appropriate foundation for the development of human personality and social order.

Students

From its initial enrollment of 108 students, Elon's student body has grown steadily. Elon's 3,701 undergraduate and 260 graduate students come from 44 states and 36 foreign countries. In 1999, 30 percent of Elon students were from North Carolina and 70 percent were from out-of-state. Slightly more than half of the students are women, and the student body includes several racial and socio-economic groups. Elon College admits students of any race, color, sex, national or ethnic origin and disability without discrimination. This diversity enriches the life of the community and reflects the nature of American society itself.

Faculty

Elon students benefit from a dedicated staff and an outstanding faculty whose primary concern is teaching. Faculty members have been chosen because of their academic preparation, individual initiative and commitment to excellence in teaching. Approximately 83 percent hold the highest degree in their fields. Many of Elon's faculty demonstrate their satisfaction with the college with long years of service. With a student to faculty ratio of 16.3:1, Elon chooses to remain small so that the relationship between faculty and students is friendly, informal and lasting.

Programs

Elon College believes that the study of liberal arts prepares students for rewarding, meaningful lives. Its programs are designed to challenge students to excel intellectually, to pursue self-fulfillment and to learn the meaning of service to others.

The academic program provides opportunities for each student to develop a mature proficiency in the use of the English language, an awareness of history and an appreciation of cultural, social and scientific achievements. The General Studies courses give students the breadth and background needed for mature intellectual development and a lifetime of learning and leadership. The upper-level courses allow students to concentrate in areas of special interest and in professional and career-oriented branches of learning. To meet such individual needs, the academic

program includes such features as independent study, study abroad opportunities, internships and cooperative education.

Elon College complements the classroom through a broad range of activities and student life programs that encourage students to find their personal identities, refine their social skills, broaden their perspectives and create lifelong friendships.

Academic Message

10

An Elon student's highest purpose is **Academic Citizenship**: giving first attention to learning and reflection, developing intellectually, connecting knowledge and experiences, and upholding Elon's honor codes.

Academic Calendar

The college's academic year is divided into a 4-1-4 calendar. The fall semester is a four-month term, ending before Christmas holidays, followed by a one-month winter term and a four-month spring semester. The one-month January winter term offers opportunities for study abroad, internships and service programs in addition to specialized courses on campus. Evening classes are offered and a summer session is held each year.

The calendar is designed to meet the needs of: (1) full-time students who plan to complete degree requirements within four years, (2) part-time students, (3) high school seniors who wish to take one or two college-level courses, (4) members of the community who desire further educational work in day or evening classes, and (5) those who seek a graduate degree in business (MBA), education (M.Ed.) or physical therapy (MPT). Summer school serves the same groups and, in addition, provides an opportunity for new students or students enrolled at other colleges to more quickly complete their degree requirements. Students entering the graduate program in Physical Therapy are seated each January to begin the twenty-eight-month program.

Accreditation

Elon College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award bachelor's and master's degrees.

Elon's education program is accredited by the National Council for Accreditation of Teacher Education and by the North Carolina State Department of Public Instruction.

The college is a member of the following associations:

- The American Council of Education
- The American Association for Higher Education
- The American Association of Colleges for Teacher Education
- The Association of American Colleges
- The Commission of Accreditation of Allied Health Education Programs
- The North Carolina Association of Colleges and Universities

- North Carolina Independent Colleges and Universities
- The National Association of Independent Colleges and Universities
- The European Council of International Schools
- Association of Independent Liberal Arts Colleges for Teacher Education
- National Council for Accreditation of Teacher Education
- Independent College Fund of North Carolina
- The Council of Independent Colleges
- The Council for Higher Education of the United Church of Christ
- The International Association for Management Education
- Associated New American Colleges



Campus and Facilities

13

Location

Fifteen miles west of Elon College, along Interstate 85/40, is the thriving city of Greensboro. To the east is Research Triangle Park, internationally known for its intellectual resources and for scientific research conducted by companies and organizations in the fields of computer technology, genetic engineering and other areas. Near Research Triangle Park are Duke University in Durham, the University of North Carolina at Chapel Hill and North Carolina State University in Raleigh. Rich cultural resources affiliated with four larger cities and 12 colleges are within an hour's drive of the campus.

Campus

Oak trees and stately brick buildings make Elon's historic campus one of the most beautiful on the Eastern Seaboard. The campus is adjacent to the business district of the town of Elon College and is bounded by residential areas. The college is designed and equipped to serve its living and learning community with 26 academic and administrative buildings and 45 residence halls. The current living and dining facilities serve approximately 2,335 students who live on campus.

Elon has added many state-of-the-art facilities in recent years. New buildings include a science building, a premier library, a campus center, student housing and a fitness center. Extensively renovated buildings include a gymnasium/athletic complex, the business school, school of education, dining halls and residence halls.

The new McMichael Science Center, an 81,000-square-foot state-of-the-art facility, brings together the undergraduate science programs and the new master of physical therapy program. Students have ready access to computers, high-tech instruments and research labs. The new 75,000-square-foot Belk Library puts information at students' fingertips, whether it be accessed by traditional books or the Internet.

Moseley Center is the hub of student activity. It features office space for student organizations, cultural resource centers, mail services, the campus bookstore, a café, a game room, a large auditorium and several lounges.

A major renovation and addition created Koury Center, which features a 2,500-seat gymnasium, a smaller gym, a pool and a popular fitness center.

Facilities

Administrative and Facilities Classroom Buildings

14

- *Alamance Building* houses administrative offices and classrooms. Citizens of Alamance County contributed the money to build this structure in 1925 after the old administration building was destroyed by fire in 1923. The Alamance Building was extensively renovated in 1981. The area in front of Alamance Building is called Scott Plaza and is the gift of Ralph H. Scott, former State Senator and a former member of the Elon College Board of Trustees, in memory of his wife, Hazeleene Tate Scott. In the center of the plaza is Fonville Fountain, a gift of Rudy M. and Frances Turner Fonville '28. The fountain and plaza were completed in 1982.
- *Carlton Building* was the gift of three trustees of the college: P.J. Carlton, H.A. Carlton and L.E. Carlton, and their sister, Mrs. J. Dolph Long. The Carlton Building was built in 1925 and extensively renovated in 1991. This structure houses three large lecture halls, state-of-the-art multi-media equipment, classrooms, faculty offices and PC Support.
- *Dalton L. McMichael Sr. Science Center* opened in 1998. Programs housed in the science center are biology, physics, chemistry and the master of physical therapy. This state-of-the-art facility is equipped with over 70 computers and 27 high-tech instruments, including a nuclear magnetic resonance spectrometer and a scanning electron microscope. The building features 17 teaching labs, 14 student research labs, classrooms, faculty offices and 11 reading and conference rooms.
- *Duke Building* houses the Departments of Mathematics and Computing Sciences; Financial Planning and the Career Center occupy the first floor. In memory of their mother, Mrs. Artelia Roney Duke, J.B. Duke and B.N. Duke contributed to the cost of erecting this building, dedicated in 1927. The entire building underwent renovations in 1998.
- *Faith Rockefeller Model Center for the Arts* was opened for the 1987-88 academic year. In addition to classroom and office facilities for the art, music, drama, communications and dance programs, the 70,000-square-foot facility features a theatre, a recital hall and a fully equipped television studio. This facility was named in honor of the mother of Elon alumnus and trustee Bob Model '67.

John A. and Iris McEwen McCrary Theatre is a 600-seat theatre that has played host to such performers as Preservation Hall Jazz Band, Shanghai Acrobats and Dance Theatre, New Vic Theatre of London, Reynolds Price, American Repertory Ballet Company and many student productions.

Frances Council Yeager Recital Hall seats 125, offering a more intimate setting for student, faculty and guest recitals as well as lectures and panel discussions.

- *Holland House* is the former residence of the college president. Constructed in 1963, it is located at 301 East Haggard Avenue. It was named in memory of Shirley T. Holland, a longtime college trustee, by Mrs. Holland and her sons. The facility currently houses the Institutional Advancement, Development, and Alumni and Parent Relations offices.
- *William S. Long Building* houses the Martha and Spencer Love School of Business. Renovated in 1995, it features an economics computer lab, classrooms,

a student/faculty lounge and offices for accounting, business and economics faculty. Constructed in 1966, the building was named in memory of William S. Long, first president of the college.

- *Mooney Building* was donated to Elon in 1926 by M. Orban Jr., in memory of his father-in-law, the Reverend Isaac Mooney. This building, renovated in 1999, houses the School of Education as well as classrooms and faculty offices.
- *The Caroline Powell Building*, named in honor of Miss Caroline Powell, was completed in 1970. In 1991 with a bequest from Harvey Mebane Allen, major renovations were made to the first floor, housing the Admissions Office. The president's office is also located on the first floor. The second and third floors contain classrooms and faculty offices.
- *Whitley Memorial Auditorium*, first used for Commencement in 1924, has a seating capacity of approximately 500. Faculty and administrative offices are located on the north end of the building.

Residence Halls

- *John Barney Hall* houses 48 students. This three-story brick building was dedicated in 1966 and named in memory of John W. Barney, who was a member of the Elon College faculty for 33 years.
- *Ned F. Brannock Hall*, housing 48 students, is a three-story brick structure named in memory of Dr. Ned F. Brannock, a member of the Elon College faculty for more than 50 years. It was dedicated in 1966.
- *Carolina Hall*, built in 1956, houses 125 students. Congregational Christian Churches in North Carolina pledged the funds for this three-story brick building. It was renovated in 1996.
- *Chandler Hall* houses 93 students. It was constructed in 1982 in honor of Wallace L. Chandler '49, a trustee of Elon College and senior vice president of Universal Leaf Tobacco Company Inc., of Richmond, Va.
- *Colclough Hall*, constructed in 1982, houses 108 students. It was named in memory of George D. Colclough '26 through a gift by Royall H. Spence Jr. '42 and his wife, Luvene Holmes Spence '43. Mr. Spence is a trustee emeritus of Elon College. Mr. Colclough was a trustee of Elon College and a well-known business leader in Burlington.
- *Danieley Center*, houses 300 students in flats (five new brick buildings completed in 1999) and 196 students in the former East Campus Apartments (six brick buildings completed in 1989). The Danieley Center includes a Commons Building that features a fireplace lounge, computer room and dining facility. The Danieley Center was named in honor of President Emeritus James Earl Danieley '46 in 1998. He was Elon's sixth president serving from 1957 to 1973.
- *Elon Place* houses 82 students in garden and townhouse apartments. These four brick buildings were renovated in the summer of 1998.
- *The Loy Center* houses 13 fraternities/sororities in six buildings which were completed in 1989 and six new fraternity/sorority residences which were added in 1997. The Greek courtyard was named for Lib Apple Loy.

- *A.L. Hook Hall*, housing 40 students, was named for Dr. A.L. Hook who was a member of the Elon College faculty for more than 50 years. Built in 1966, it is a three-story brick residence hall.
- *The Jordan Complex* is named in honor of John M. Jordan, Alamance County businessman. Built in 1980 and 1984, the complex houses 268 students in two-room suites.
- *Maynard Hall* is a residence hall for 124 students. Constructed in 1982, it was named in honor of Reid and Grace Maynard. Mr. Maynard was a trustee of Elon College and chairman of the board of Tower Hosiery Mills, Burlington, North Carolina.
- *North Hall*, located near the Harper Center, houses 31 students.
- *Sloan Hall*, a three-story brick structure, built in 1960 and housing 91 students, was named in honor of Dr. W.W. Sloan and Bessie Pickett Sloan, members of the Elon College faculty for 25 years.
- *Leon Edgar Smith Hall* is a three-story residence hall built in 1957 to house 126 students. The building was named for Dr. L.E. Smith, former president of the college.
- *Staley Hall, Moffitt Hall, Harper Center and Harden Dining Hall* were completed in 1968. Staley Hall houses 201 students and Moffitt Hall, 101 students. The two residence halls are joined by Harden Dining Hall, which was expanded and renovated in 1995. These buildings were named in memory of Dr. W.W. Staley, Dr. E.L. Moffitt and Dr. W.A. Harper, three past presidents of Elon College. They are located on North Campus.
- *Virginia Hall*, a three-story brick structure built in 1956, houses 88 students. Congregational Christian Churches in Virginia pledged the money to pay for this residence hall.
- *West Hall* is a three-story brick structure adjacent to the Carlton Building. The oldest building on Elon's campus, it houses 84 female students.

Athletic Facilities

Koury Center

Named for the Koury family of Burlington, the Koury Center encompasses Alumni Memorial Gymnasium, Jordan Gymnasium, Beck Pool, Stewart Fitness Center and classrooms and offices for faculty and athletic staff. A sunlit, two-story concourse connects Alumni Memorial Gymnasium with Jordan Gymnasium, the pool and the fitness center.

- *Alumni Memorial Gymnasium* was built in 1949 as a memorial to Elon alumni who lost their lives in the two World Wars. The gymnasium, which seats 1,900 for sporting events, was extensively renovated in 1993 and will seat 2,500 for college convocations.
- *Stewart Fitness Center* – Completed in 1994, the 54,000-square-foot fitness center includes racquetball courts, weight rooms, an aerobic dance studio and a human performance lab, as well as locker rooms, classrooms and a commons area.

- *Beck Pool* – Built in 1970, the seven-lane, Olympic-size, indoor swimming pool was named in honor of A. Vance Beck.
- *Jordan Gymnasium* – Named for Sen. B. Everett Jordan, Jordan Gymnasium is used primarily for teaching and recreation. It was built in 1970.

Athletic Fields include 50 acres of practice and playing fields, situated around the campus. There is adequate space for all sports.

John Koury Field House was constructed in 1980 through the generosity of Ernest and Maurice Koury in memory of their father. The building provides dressing facilities for Elon's football and baseball teams as well as a modern training room, laundry facilities and coaches' dressing room.

17

Newsome Field is a modern baseball stadium donated in 1977 by Webb Newsome '37, and his wife, Jessie Cobb Newsome '36. A member of the Elon College Sports Hall of Fame, Webb Newsome was outstanding in baseball, football and boxing while at Elon.

Jimmy Powell Tennis Center, a 12-court, championship tennis complex, was built in 1988 and is one of the finest collegiate tennis complexes in the nation.

Rudd Field, an athletic field named for Clyde Rudd Sr. '37, is used for soccer.

Recreational Areas

- *Lake Mary Nell*, a five-acre lake near the center of campus, was named in honor of Mary Nell Jennings, daughter of Elon College trustee Maurice Jennings and Patricia Gabriel.
- *Elon College Lodge and Botanical Preserve* was acquired by the college in 1984. Located one mile from the campus, the 25-acre tract is a natural habitat and outdoor laboratory for botany, zoology and ecology students. In addition to the lodge building, there is a picnic shelter and a building that is used as a field classroom.

Support Facilities

Elon West was renovated in 2000. It houses the Physical Plant Department and the Print shop.

R.N. Ellington Health Center provides health services for students and includes multiple examination rooms and offices for the professional staff.

Maynard House is the residence of the college president. It is located a short distance from campus. The home was bequeathed to the college through the estate of Reid and Grace Maynard in 1988.

McEwen Memorial Dining Hall, completed in 1956 and renovated in 1995, was built as a memorial to James H. McEwen, an industrial and civic leader in Burlington, North Carolina. The first floor accommodates more than 185 diners in a modern and attractive private dining room. On the second floor is a dramatic, new dining hall, large enough to accommodate 150 people. The marché dining approach was used for this facility.

Iris Holt McEwen Building is presently undergoing extensive renovations to house the communications department, the Office of Television Services and general offices and classrooms.

The Carol Grotnes Belk Library

The Carol Grotnes Belk Library, completed in January 2000, is a 75,000-square-foot facility designed by noted library architects Shepley, Bulfinch, Richardson and Abbott. Blending state-of-the-art technology with traditional print resources, the library is the student focal point for research, reading and relaxing. Featuring a soaring atrium, appealing natural light and a variety of comfortable study spaces, the library houses a host of complementary services and resources, allowing students to complete many facets of their projects in one location:

- *Library collection* – Available for students is a print collection of more than 200,000 volumes and 1,200 journals; electronic databases, including more than 8,000 full-text journals; a rich microform collection; over 10,000 video/audio disks and tapes; and both federal and state government documents.
- *Computer resources* – More than 140 networked computers provide instant access to the Internet, software packages, the Elon e-mail system and library catalogs throughout the nation, including Elon's own integrated library system, IRIS. Students with laptop computers will find data ports available throughout the building, or they may check out the new wireless laptops from the Media Services offices.
- *Library/Technology/Media Services professionals* work as a team in the central Information Commons to provide research, presentation and technical support for students.
- *Media Services* provides audiovisual equipment and computer hardware loans, support of classroom technology and production services such as dry mounting, transparency design, lamination and tape dubbing. Staff provide both individual and group instruction in effective presentation skills.
- *The Writing Center, the Tutoring Center, the Academic Computing Department, the General Studies Office, the Faculty Resource Center, and the Office of Sponsored Research* also are conveniently located within the library.

Moseley Center

Moseley Center is named in honor of Elon alumnus Furman Moseley and his wife, Susan. The 74,000-square-foot campus center, which opened in January 1995, is a place where students can relax and gather with friends. It features office space for student organizations, a center for learning conversational Spanish, the African-American Resource Center, mail services, the campus bookstore, a bank machine, the Octagon Café, and a large multi-purpose auditorium. For entertainment, students can watch television on a large screen in one of four lounges, relax in front of the fireplace or visit the game room.

- *Resources for student organizations* — Moseley Center houses the Student Government Association and Student Union Board offices as well as the offices for other student organizations such as *The Pendulum* (newspaper), *Colonnades*

(literary magazine), *Phi Psi Cli* (yearbook), WSOE (radio station) and Elon Volunteers!

- *McKinnon Hall*, named in honor of Elon trustee and alumnus Bob McKinnon '62 and his wife, Della, is a 500-seat auditorium that can be divided into as many as four smaller meeting rooms.
- *Octagon Cafe* offers a variety of food, including salads, hot and cold sandwiches, pizza, snacks and desserts. Students can choose to eat inside or outside on the brick terrace.

Some Elon College buildings, rooms and facilities are named for individuals who contributed outstanding service to the institution. Facilities are usually marked with a brass plaque giving the date, the name of the facility, and in some cases, the donor of the facility. As buildings and other facilities become obsolete or the needs of the college change, the brass plaques are added to the college archives, perpetually preserving the memory of those honored.

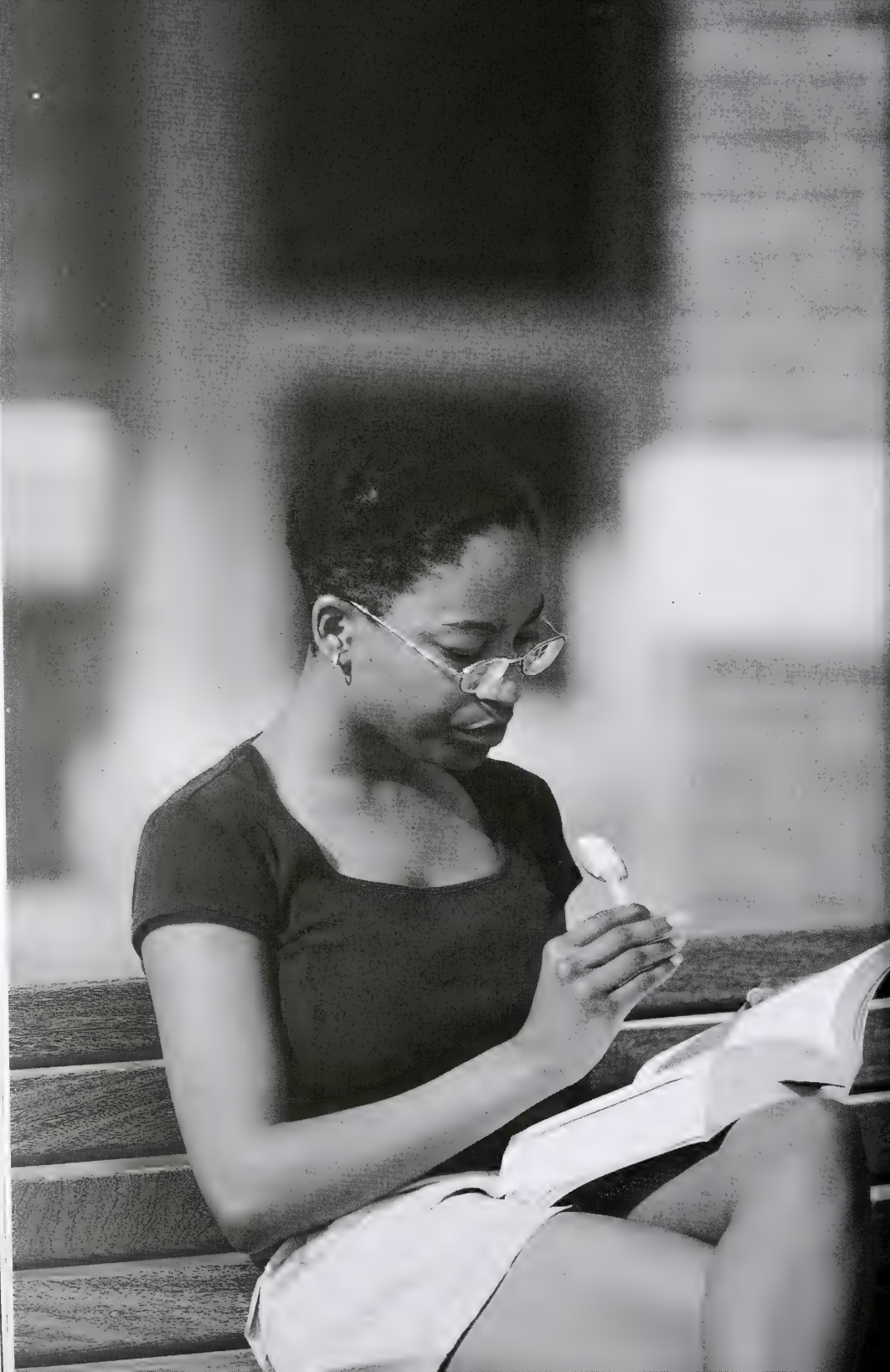
19

Visitor Information

Visitors to the college are welcome at all times. The administrative offices are open Monday through Friday from 8 a.m. until 5 p.m. The admissions office is also open Saturday from 9 a.m. until noon. Administrative officers and members of the faculty are available at other times by appointment made in advance. The telegraph address is Burlington, and the college is served by the Burlington telephone exchange. The number at the main switchboard is 336-278-2000, and the FAX number for admissions is 336-278-7699. The World Wide Web address is www.elon.edu.

Travel Information

Elon College is located in the town of Elon College, North Carolina, a community adjacent to Burlington, 15 miles east of Greensboro, 64 miles west of Raleigh, and close to Interstate 85/40. It is accessible to airline services in Greensboro and Raleigh/Durham. Amtrak serves Greensboro and Raleigh with daily connections to Burlington.



Academic Program

The academic program at Elon College prepares qualified students to enter graduate and professional schools or readies students to begin work in such fields as business, communications, teaching, public service and allied health. The bachelor's degree consists of a major field of concentration in the liberal arts or in a professional or preprofessional area, a general studies program and elective courses.

Degrees and Major Fields of Concentration

Elon offers courses leading to the graduate degrees of Master of Business Administration, Master of Education and Master of Physical Therapy and the undergraduate degrees of Bachelor of Arts, Bachelor of Fine Arts and Bachelor of Science.

The Master of Business Administration program requires 39 semester hours of graduate credit. Students are encouraged to apply regardless of undergraduate major. The Master of Education program requires 33-36 semester hours of graduate credit in Elementary Grades or Special Education. The Master of Physical Therapy requires 155 semester hours of graduate credit.

The Bachelor of Arts degree is awarded in the following fields: Art, Biology, Chemistry, Chemistry/Chemical Engineering, Communications (Broadcast, Corporate and Film emphasis), Computer Science, Computer Science/Engineering, Economics, Education (Elementary, Middle, Secondary—various subject areas, Special Education/Learning Disabilities), English, French, History, Human Services, Independent Major, International Studies, Journalism, Mathematics, Music, Music Performance, Philosophy, Physics, Political Science, Psychology, Public Administration, Religious Studies, Science Education, Social Science Education, Sociology, Spanish and Theatre Arts.

The Bachelor of Fine Arts degree is awarded in Music Theatre.

The Bachelor of Science degree is awarded in the following fields: Accounting, Biology, Business Administration (Management, Finance, Marketing, International Management and Management Information Systems), Chemistry, Engineering Mathematics, Engineering Physics, Environmental Studies, Health Education, Leisure/Sport Management, Mathematics, Medical Technology, Music Education, Physical Education, Physics and Sports Medicine.

Minor Fields of Concentration

Candidates for the bachelor's degree may elect a minor concentration consisting of at least 16 semester hours.

22

The following minor fields are available: Accounting, African/African-American Studies, Anthropology, Asian/Pacific Studies, Biology, Business Administration, Chemistry, Classical Studies, Computer Information Systems, Computer Science, Criminal Justice, Dance, Economics, English, Film Studies, French, Geography, History, Human Services, International Studies, Journalism/Communications, Leisure/Sport Management, Mathematics, Music, Non-Violence Studies, Philosophy, Physical Education, Physical Education (Coaching), Physics, Political Science, Professional Writing Studies, Psychology, Public Administration, Religious Studies, Sociology, Spanish, Sports Medicine (Athletic Training, Exercise/Sports Science), Studio Art, Theatre Arts and Women's/Gender Studies.

General Studies

Elon's General Studies program reflects the college's long history of strong liberal arts education in a distinctive and highly contemporary form. Elon freshmen have the exceptional opportunity to begin their college careers in an intimate, seminar setting. The Global Experience course features a broad interdisciplinary investigation into many of the profound challenges facing the planet as we move into the new millennium. With classes individually designed by professors noted for their excellent teaching, each group gains a unique perspective on a set of issues under discussion campus-wide. As a result, the entire freshman class participates in an ongoing dialogue rich with diverse opinions, approaches and sources of information. The Global Experience course models the most admirable qualities of college learning. Students are called upon to participate and converse daily in a seminar setting. Collaboration and cooperation are fostered by frequent activities and projects. Writing and critical thinking are refined and the students develop a skill set that supports their future explorations in college and beyond. Developed with the support of the National Endowment for the Humanities, the advanced seminars at the junior and senior level are interdisciplinary in order to help students think about important issues across the narrow boundaries of the traditional disciplines. Elon's General Studies program also embodies the college's focus on a holistic approach to education, linking theory to application, through the experiential learning requirement. Through General Studies, Elon students encounter the best of the Elon faculty, are challenged to think in new and creative ways, and bring focus to their education through experience.

The General Studies program consists of four elements:

First-Year Core

In these four courses, students: 1) sharpen their reading, communication, numerical and information retrieval skills, 2) deepen their appreciation for a diversity of ideas, 3) grow in their ability to think independently, 4) learn to appreciate the

wholeness of their own mind, values and body, 5) build on the careful and creative thinking that will bring them into the world of scholarship, and 6) learn that leadership is a way of thinking as well as a set of skills.

Experiential Learning

The requirement encourages students to engage the world about them actively and to reflect insightfully about their experiences. Included in experiential learning are internships, volunteer activities in the community and undergraduate research programs, among others.

Liberal Studies

Elon students take courses from a variety of areas, learning facts and ideas from professors and disciplines outside their majors. As they complete their Liberal Studies requirement, Elon students learn that there are multiple ways to examine problems and differing strategies for the development of solutions.

Advanced Studies

Upper-level courses outside the major carry the broad Elon education past the introductory level. A required interdisciplinary seminar provides the capstone to the General Studies experience. Students work closely with a professor as they use intellectual skills to cross the borders between traditional academic disciplines.

The General Studies program assumes learning is cumulative and developmental. Elon College students will revisit the theme of a broad education from initial enrollment to graduation.

The Martha and Spencer Love School of Business

Established in 1985, the Love School of Business is an outgrowth of an endowment gift to Elon College from the Martha and Spencer Love Foundation.

The mission of Elon College stresses its commitment to the traditional goals of liberal arts colleges. While the liberal arts is the foundation of an Elon education, Elon has a rich tradition of preparing young men and women for the professions of social work, business and education. While these traditions guide Elon and the Martha and Spencer Love School of Business, we must also recognize that the world is now facing a crisis in the lack of socially responsible leadership in many aspects of the global society. Given this crisis especially in the world of business, the vision for the Martha and Spencer Love School of Business is very simply:

“RESPONSIBLE LEADERSHIP FOR THE 21st CENTURY”

To achieve this vision, the mission of the Love School of Business is to enhance the ability of Love School of Business students to contribute to the economic well being of society through their positions as business and civic leaders.

In accomplishing this mission, the Love School of Business must:

- Emphasize the need for professional and socially responsible leadership that considers both the short-term goals of the organization but also the well being of society;

- Provide students, especially undergraduates, with the necessary knowledge, skills and values to both gain a meaningful position at the end of the student's undergraduate studies and become a future leader;
- Prepare students to continually pursue life-long learning, a major need for tomorrow's leaders given the rapid pace of change;
- Provide students with opportunities to experience in a real-world environment the complexities of organizations competing in a global environment;
- Develop a true partnership with area organizations and business leaders to ensure that the learning experience at Elon truly prepares the student to perform effectively in organizations;
- Provide students with the realization that the new century will see change accelerate and business leaders must lead the response to such change;
- In fostering such a learning environment, the faculty will adopt and encourage experiential and active learning approaches.

The Business School offers undergraduate-level majors in Accounting, Business Administration (concentrations in Management, Marketing, Finance, International Management and Management Information Systems), Economics and a graduate degree in Business Administration (MBA).

Specific requirements for Accounting, Business Administration and Economics are listed under Courses of Instruction.

Professional Programs

Elon College offers professional programs in Accounting, Business Administration, Communications, Computer Science, Education, Engineering, Human Services, Journalism, Music, Public Administration and Medical Technology. These programs prepare graduates entering beginning-level professional positions. Qualified graduates may wish to continue their studies in graduate school.

Preprofessional Programs

Elon College offers programs that prepare students for professional studies in such fields as dentistry, engineering, law, medicine, physical therapy and theology. Students entering any pre-professional program should plan carefully, using the catalog of the professional school they wish to enter as a specific guide to choosing courses at Elon College. In addition to the preparation students receive through the regular academic curriculum, Elon offers a preprofessional advising program that emphasizes careful academic advising, special programs and workshops, and assistance in the graduate application process. Faculty advisors are available to assist students in this planning.

Prelaw

The Association of Law Schools embraces two educational objectives for undergraduate law students: First, the student should learn to reason logically;

second, the student should learn to express thoughts clearly and concisely both orally and in writing. While law schools do not require a specific undergraduate major, several majors at Elon prepare students for admission to law school. Elon faculty members help students choose specific courses and curriculum tracks that increase students' chances for acceptance into law school. They also advise students in the selection of law schools, preparation for the Law School Admissions Test (LSAT) and the application procedure.

Through programs offered by the Prelaw Society, students discuss career opportunities with attorneys, judges and law enforcement officers. The Prelaw Society also arranges visits to area law schools and offers programs on taking the LSAT and applying to law school.

Premedical, Predental and Other Health Professions

Elon's health professions program prepares students for entry into schools of dentistry, medicine, optometry, osteopathy, pharmacy, podiatry, veterinary medicine, physical therapy and other health-related professions.

Elon's Health Professions Advisory Committee is designed to guide and advise students who are interested in pursuing careers in medical and health-related professions. The committee is composed of faculty members from Elon, Bowman Gray School of Medicine and Duke University Medical Center. The committee monitors each student's academic progress and offers helpful advice on choosing a health profession as well as selecting and applying to professional schools. It assists students with the application process and provides letters of recommendation and interviews.

Students interested in a medically related career should meet with the Health Professions Advisory Committee Chair (Dr. Herbert W. House) and obtain information about their course of study as soon as possible. Although a concentration of the student's academic work will be in the sciences, medical and professional schools seek students with well-rounded academic experiences and well-developed critical thinking skills.

Scholarships assisting science and premedical students are available through the Elon Science Fellows Program and Lincoln premedical scholarships. Premedical students are encouraged to join and actively participate in the Lincoln Premedical Society. Meetings of the Society are held monthly, except during winter term. Numerous medical professionals are chosen and invited by the society to present programs of interest at the meetings.

Preministerial (*Any Full-time Christian Vocation*)

The educational program at Elon College provides opportunities for students to prepare for the various aspects of Christian ministry. Although no particular major is required, many courses and other educational and service experiences permit students to explore their interest in and fitness for religious vocations. In general, for church-related vocations, students may major in Religious Studies or any of the liberal arts areas.

Evening School

Undergraduate and graduate-level courses are also offered during the evening. While any student may enroll in courses at these times, evening courses are especially convenient for students who work during the day. By attending classes solely at night, students may earn the Master of Business Administration or the Master of Education degree. Students may earn undergraduate degrees through a combination of day and evening classes.

26

Transitional Program

Faculty work closely with students and offer individual counseling in this first-semester program in order to promote a successful transition to college. Students may be placed in preparatory courses in math, writing, reading and study skills that count as elective credit toward graduation.

Peer Tutoring

Peer tutoring is offered to all students in most subjects through Tutorial Services located on the main floor of the Belk Library. No additional fee required.

Writing Program

Elon College has a well established Writing Center, an interdisciplinary minor in Professional Writing, and an emerging Writing Across the Curriculum Program that make up the college's Writing Program. Each of these entities works concurrently to support and enhance student writing at all levels and in all areas of the college's curriculum through student and faculty workshops as well as a wide variety of other activities. One-on-one writing tutoring is available through the Writing Center, from Sunday through Thursday, to all members of the college community who need help at any stage in a writing project.

Elon 101

Elon 101 is a specially designed academic advising course/program that introduces first semester students to college life. Among topics discussed are academic expectations and how to become involved in campus activities. An extended orientation to college, the course is co-taught by the students' academic advisor plus a student teaching assistant. This elective class is limited in size to 15 students. The course meets weekly during the first semester and offers one semester hour of general college credit upon successful completion. Grading for this course is Satisfactory/Unsatisfactory.

High School Credit Bank Program

This program allows high school seniors to earn college credit before entering college through the completion of two summer session courses at Elon, and two courses at Elon during each semester of the senior year.

Leaders for the Twenty-First Century Programs

The North Carolina Teaching Fellows Program

Elon College is one of only two private colleges selected by the North Carolina Teaching Fellows Commission to offer a Teaching Fellows program and one of only 14 institutions throughout the state. North Carolina Teaching Fellows are selected by the Public School Forum of North Carolina, which awards approximately 400 fellowships annually. North Carolina high school students interested in the teaching profession apply to the North Carolina Teaching Fellows Commission and are awarded grants through a selective interview process.

27

The Teaching Fellows' experience takes place in the context of Elon's highly successful teacher education program. Faculty work closely with students as mentors and academic advisors. In their junior and senior years, Teaching Fellows put their skills into practice by serving as peer advisors for entering education majors. Teaching Fellows who also qualify for the Honors Program may apply to the Honors Program and receive Honors designation upon graduation provided they complete all requirements.

The Teaching Fellows experience at Elon is a four-year program requiring participation in the following:

- Specially designed leadership courses
- Internships
- Study/travel to major U.S. metropolitan areas
- A semester of study in London
- Special field trip, lecture series
- Capstone seminar examining local, state and national issues and their effect on education
- Elon Experiences Transcript

The Honors Program

The Honors Program assists academically superior students to attain greater breadth and depth in their General Education studies.

Honors Fellows can enroll in challenging courses that emphasize writing, critical analysis, problem solving and independent research taught by innovative faculty. Class size is generally limited to 20. Since the program is college wide in scope, most Honors courses are taken in disciplines differing from one's major.

Other features of the program include: Early preregistration privileges, off-campus retreats, Honors housing arrangements and opportunities to attend Honors conferences and present research. Honors graduates often pursue further study or graduate training.

Most students are selected to enter the program as freshmen, but one can apply for admission as a continuing student by conferring with the Honors Director. Students may also be referred by professors. Honors awards are renewable for up to

four years, providing the recipient successfully completes a minimum course load of 30 semester hours for each academic year, maintains a cumulative grade point average (GPA) of 3.2 or above and satisfies the requirements of the Honors program.

To receive Honors Program recognition at graduation, students must achieve a 3.2 GPA overall and in all Honors courses taken, and successfully complete the four areas of the Honors curriculum, as listed below.

Students who fail to maintain an overall GPA of 3.2 or better are subject to dismissal from the program and all benefits associated with it.

Requirements for Honors Program Recognition

Honors-Designated Courses

Honors Fellows must take a minimum of four Honors-designated courses and an Honors section of Elon 101. Students must maintain a "B-" average in their Honors courses to qualify for graduation. Students will be encouraged to enroll in as many Honors courses as their curriculum allows.

Requirements:

Honors Elon 101

Honors GST 110: The Global Experience (Fall of freshman year)

Two other Honors-designated courses (one 300-level is recommended)

Honors General Studies Seminar

Experiential Learning

Honors Fellows must take and share an experiential learning component with a public presentation.

Options for Experiential Learning:

Study Abroad Experience (through the Office of International Programs)

Internship (approved by Director in consultation with internship advisor)

Research (Research 499 within academic departments)

Service

Honors Fellows must fulfill the equivalent of two service events that benefit the Elon College Honors Program or the overall Academic Community or participate in approved service learning opportunities.

Honors Colloquium

Honors Fellows must complete N-2 semesters (N is the total number of semesters in the Honors Program) of attendance at Honors Colloquium events. Events include cultural activities and academic lectures. Satisfactory completion requires a minimum of five events per semester including a minimum of two academic events.

For information about Honors Scholarships, see page 62.

The Isabella Cannon Leadership Fellows

The Isabella Cannon Leadership Fellows program is a four-phase developmen-

tal program that takes students from learning leadership skills to sharing those skills with others. The program is coordinated by a select group of students leaders. The student-run model helps keep the program strong and full of new energy each year.

Freshman Fellows

Students who are leaders in their high schools and/or communities compete for 25 positions. The Freshman Fellows are successful students and have made significant contributions to their communities. The Fellows participate in the Emerging Leaders Program as well as attend a fall retreat, become active in at least one student organization and collaborate with a team on a community project. In the spring, they coordinate the selection for the next year's Freshman Fellows. Upon successful completion of the Freshman Fellows program, students move from "learning to lead."

Sophomore Fellows

After "learning to lead" as freshmen, Fellows move to "doing leadership" as sophomores. The Sophomore Fellows take a leadership role in one or more organizations, attend a "How to Lead" retreat and participate in monthly meetings with a faculty member or administrator.

Junior Fellows

Junior Fellows focus on "enhancing leadership styles" by coordinating the Emerging Leaders program which is open to all new students. Junior Fellows also study *Seven Habits of Highly Effective People*, shadow a community leader and attend a state or regional leadership conference.

Senior Fellows

As seniors, the Fellows "share leadership" by coordinating the "How-to-Lead" retreat for the Sophomore Fellows, participating in career preparation programs, attending capstone discussions to reflect upon their experiences at Elon and offering their legacy papers at a special banquet at the end of the year honoring Dr. Isabella Cannon, the founder of the program.

Leadership Fellows who complete all four phases of the program will receive the prestigious Isabella Cannon Leadership medallion and be recognized with distinction upon graduation from the college

The Jefferson-Pilot Business Fellows Program

The Martha and Spencer Love School of Business is dedicated to developing leaders for the 21st century. As part of that thrust, the Love School offers the Jefferson-Pilot Business Fellows Program to outstanding freshmen who have a strong interest in a career in business, non-profit organizations or government and who plan to major or minor in accounting, business administration or economics. Almost all Jefferson-Pilot Business Fellows students are selected to enter as freshmen but some openings are available for continuing students.

Some of the features of the Jefferson-Pilot Business Fellows program are the following:

- a two credit freshman seminar in the Spring semester of the freshman year
- a \$750 Study Abroad grant for use in economics or business-related study abroad

courses

- a guaranteed paid internship for use in the summer between the junior and senior years
- an investment course where the students manage part of the Elon endowment
- a senior capstone experience involving students in a real business situation.

30

In all of these program elements, the faculty will work closely with the 25 Jefferson-Pilot Business Fellows students. The students will gain the rich experience of working in teams, addressing problems together and being involved with real business issues. This program will truly prepare the student to assume a leadership role in the 21st century.

The Journalism and Communications Fellows

Journalism and Communications Fellows gain valuable professional experience through guaranteed internships at local or national media sites. Other opportunities include faculty mentoring, special freshman seminar, Winter Term travel to major media and film centers in New York City, Washington, D.C., and other cities and a special capstone experience. This program is designed for academically talented students with a strong interest in journalism, broadcast or corporate communications or film and who plan to major in journalism or communications. Twenty Journalism and Communications Fellows are selected each year based on high school academic performance, interview and essays.

The Science Fellows

A research-based program for exceptional students majoring in the sciences, mathematics or computer science, the Science Fellows program provides excellent preparation for graduate study or a career in the sciences, mathematics or medicine. Fifteen Science Fellows are selected annually based on high school academic performances, science GPA, SAT/ACT, essay and interview. Fellows enjoy a variety of opportunities including assignment to a faculty mentor, a year-long interdisciplinary seminar in the freshman year to prepare for scientific research, a science policy course, paid research assistantships during the junior or senior year, and optional housing in a science Living/Learning Community. Ten Science Fellows scholarship valued at \$2,000 annually are awarded to freshman Fellows each year, in addition to President scholarships they may have already received. Science Fellows are also invited to participate in the Elon College Honors Program.

The Social Science Scholars Program

Each spring semester, 12 sophomores are chosen from among students majoring or minoring in social science programs (African/African-American Studies, Anthropology, Criminal Justice, Geography, History, Human Services, International Studies, Political Science, Psychology, Public Administration, Sociology and Women's Studies/Gender Studies) as Social Science Scholars. As juniors they participate in a special seminar SSC 350/351 "Scholarship at Work: Research in the Social Sciences" and register for an independent research project that will carry

into their senior year. Scholars work closely with a faculty mentor in developing and finishing their research project. Scholars may receive grants up to \$750 to support their research and travel. Students must have at least a 3.25 cumulative GPA to be nominated.

Scholars in the Arts and Humanities

Twenty junior and senior students are honored as Scholars in the Arts and Humanities. Ten are chosen each spring. Ordinarily these are rising juniors with majors in departments in arts and humanities (Art, English, Foreign Languages, Music, Performing Arts, Philosophy and Religious Studies), though worthy non-majors and juniors will be considered when there are openings. Scholars must have an overall GPA of 3.0 accompanied by demonstrated talent and excellent performance in an appropriate field of study. Each applicant will present the name of a professor willing to serve as a sponsor and mentor. Working with the faculty mentor, the Scholar will engage in a special project or activity that will issue in a public performance before the end of the final year at Elon College. Grants up to \$750 are available for travel and other types of support for the Scholar's project.

31

Enrichment Programs

The Elon Experiences Transcript

The Elon Experiences Transcript provides a cocurricular transcript that enhances job and graduate school opportunities. The transcript documents study abroad, service, leadership, internships/co-ops and undergraduate research throughout the college career. Elon Experiences help develop informed, productive, responsible and caring citizens—individuals equipped with an education that enriches personal lives and enhances professional careers.

Leadership Development

Special courses, service projects, organizational leadership and internships help students develop the characteristics that identify a leader in any field: strong character, good communication skills, self-confidence, the ability to make decisions, motivate others, solve problems and take risks. Leadership development programs are described more fully in the Student Life section.

Service Learning

Acting on the college's commitment to civic responsibility and leadership, the Kernodle Center for Service Learning and Elon Volunteers! offer programs and projects ranging from Habitat for Humanity to tutoring and mentoring programs. In addition, campus organizations participate in a variety of support and fund-raising programs, such as the Adopt-A-Highway clean-up program, American Red Cross Blood Drive, Special Olympics and March of Dimes walk-a-thon. Service Learning programs are described more fully in the Student Life sections.

Undergraduate Research

Students may engage in research projects under the direction of individual fac-

ulty members. Students receive academic credit and have the opportunity to present their research methodology and results on campus and at local, regional and national conferences.

Internship and Co-op Opportunities

32

Through internships and co-op opportunities, Elon helps students understand the value of productive work, develop the knowledge and skills to compete and progress in a meaningful job or earn money to meet financial obligations. The Elon Career Center assists students in meaningful career planning and preparation, and provides the resources and support needed for successful employment and career advancement after graduation. Over 75 percent of 1999 Elon graduates participated in internships and co-ops.

Study Abroad

Study abroad programs through the Isabella Cannon Centre for International Studies enhance the academic program and give students an opportunity to learn firsthand from other countries and cultures. Approximately 46 percent of 1999 Elon graduates participated in study abroad activities. The college offers a variety of such opportunities.

Students may elect to spend a semester, either fall or spring, in London. By selecting from the broad range of courses offered, most of which are taught by British faculty, students can fulfill General Studies requirements. Through internships and field research projects, students experience many dimensions of British culture. Students have access to the University of London's library. Fall and spring breaks permit extensive European travel. Also, Elon students may spend a semester or a year in Japan at Kansai Gaidai Center for International Education, and study Japanese language and culture. Semester study is also possible through institutional arrangements with the University of Orebro in Orebro, Sweden; Curtin University in Perth, Australia; and Universidad de Valladolid in Valladolid, Spain.

During the winter term, the college offers a wide range of study opportunities abroad. Although the courses vary from year to year, Elon students for the past few years have chosen from a range of courses in the London program; studied economics in eastern European countries; literature in Ireland; fine arts in Italy; the European Union and the history of World War II in Western Europe; language and culture in Costa Rica; culture in Ghana; biology in Belize and Aboriginal communities in Australia to name only a few. New courses are added each year reflecting student and faculty interests.

Independent Study and Research

Independent study and research is an integral part of the educational program at Elon College. With the assistance of faculty members, students get the chance to develop hypotheses and think creatively. Those who plan to attend graduate school benefit from the research experience. By providing an atmosphere for one-on-one

learning with their professors, Elon gives students a unique opportunity to discover the experience of being a professional in their chosen field. Elon students can showcase their research efforts in the Student Undergraduate Research Forum (SURF) in which the participants give a presentation of their research projects and then respond to questions from the audience. Students also can present research papers off campus.

Military

ROTC

33

The Reserves Officers Training Corps program offers a military science curriculum leading to commission in the U.S. Army upon graduation. This course offers built-in financial assistance and special scholarship programs.

Credit for Veterans

This program offers military personnel on active duty the opportunity to submit CLEP credit by contacting their Education Officers or USAFI in Madison, Wisconsin, for testing. Credit for work completed may be transferred to other accredited postsecondary institutions, and service experience is accepted for physical education requirements.

Career Center

The following programs are available through the Career Center to help students plan their futures, explore careers/graduate school and become adept at finding employment. The Career Center is located in Duke Building on the first floor. This newly renovated center houses many career-related resources, including computers for students to develop resumes, search for jobs and internships, and explore career options.

Career Planning

Awareness of personal values, interests, skills and occupational information is necessary to make academic and career decisions. Professional career counselors assist students with their major and career choices by providing individualized career counseling, assessment inventories, computerized career guidance and information systems, occupational/educational information, career preview programs, and workshadowing opportunities. COE 110, Exploring Careers/Majors, a one-hour elective credit course, is for students exploring major and/or career options. Catalogs, graduate school directories, web-based graduate school information and computerized study guides for GRE, GMAT and LSAT are available to help students make decisions about postgraduate education.

Employment Services

Employability is one key to success for any major. The Career Center assists students from all majors as they identify their career direction and finalize their career search. The Career Center has incorporated modern technology to provide more effective student/employer matches and to help students access current

employer literature. Programs for upper-class and graduate students include classes in job search skills (COE 310, *Securing A Job*), resume referral to employers, on-campus interviews, individual job search assistance, job vacancy lists and a credentials file. Workshops on resume writing, job interviewing and other special career topics are offered. Additional resources and programs include automated occupational and employer information, career fairs, specialty work "shadowing" experiences and mentoring programs, classes on making the transition from college to the workplace, and a career-related web page. The same services for students are also available to Elon alumni.

34

Internships or Co-ops

Elon College strongly supports programs that allow students to relate their classroom learning to work experience. Active cooperative education and internship programs provide opportunities throughout the academic year and during summers for students to explore careers, to integrate theory with practice and to examine future job possibilities. In each learning experience, the student's academic or career-related work assignment is supervised and evaluated by Elon faculty. Internships are directly related to majors or minors, may be full- or part-time and paid or unpaid. Most departments offer internship credits. Co-ops usually offer pay, are full- or part-time, may be repeated and count toward elective credit. The class COE 310, *Securing A Job*, is recommended for co-op students.

Eligibility Requirements: Students must be a junior or senior (sophomore for co-op), have a 2.0 minimum GPA, have completed departmental prerequisites and have approval from the Faculty Sponsor/Experiential Education Director. It is recommended that those participating in co-ops enroll in the COE 310 class.

Academic Support Services

Elon College seeks to meet the individual academic needs of all students. In order to accomplish this, the college places emphasis on a variety of academic support services.

Academic Advising Center

Students are assigned faculty advisors before they enter Elon College. An important part of the Academic Advising Center's service is Elon 101, a freshman advising course. Freshmen not enrolling in Elon 101 are assigned advisors based on whether or not they have expressed an interest in a major. Students without clear career goals may be counseled in selecting a major and are assigned advisors within the major departments. Special advising assistance is also available for students in pre-professional programs such as prelaw, premedical and preengineering. Transfer students are assigned an academic advisor in the department of their majors at the time they enter.

Closely associated with the Academic Advising Center is the Career Center. Testing programs, an extensive careers library and career counseling help students explore career opportunities and correlate academic course work with career objectives.

Disabilities Services

Although Elon has no formal program for students with disabilities, the college does attempt to make reasonable classroom accommodations for students who provide formal documentation from a licensed/certified doctor, psychologist or learning specialist. The documentation should be dated within four years of the student's enrollment at Elon; should explain the limitations resulting from the disability; and should include specific accommodations needed. Students who wish to discuss their disabilities and appropriate accommodation should contact Disabilities Services in the Academic Advising Center in Alamance 101. Copies of the Elon College disabilities policy and procedures are also available in Alamance 101. Dr. Smith Jackson in Alamance 118 is the Section 504 Coordinator.

35

Media and Television Services

Headquartered in the Belk Library, media/television services offers a broad range of production facilities and equipment designed to meet the educational/instructional needs of students and faculty. Services include equipment instruction and checkout, audio and video production, instructional design, and support of the Elon radio station and television network.

The Carol Grotnes Belk Library

Elon's new library, opened in January 2000, is uniquely designed to integrate print, electronic and audiovisual resources with an extensive program of research, tutoring and technical support. More than 140 computers offer access to the online catalog and to Internet resources throughout the world. Students can choose among a wide variety of individual and group study spaces while using the more than 300,000 books, government documents and media. More than 4,000 periodical titles are available in print or online format.

Computer Facilities

Elon's academic computer resources include a Hewlett Packard 9000, 15 NT servers and several Linux servers. The PC computer labs are located in Belk Library, McMichael Science Center and Alamance, Long, Duke, Mooney and Powell buildings. The PC labs contain 370 microcomputer workstations that are connected to the HPs, the on-line library catalog, the Internet and the NT networks. There are also Macintosh labs in Model Center for the Arts and in Alamance building. Software packages include Windows 95/98, Macintosh OS8, Office '97 and the statistical packages SAS and SPSS. Academic computing facilities are staffed by students and open to all students at no additional charge.



Student Life

37

Student life is more than classrooms, laboratories, study desks and libraries. Elon's goal is to educate the whole person, and students have many opportunities to achieve this goal. Experiences in the residence halls, campus organizations, student government, informal social groups, Greek organizations, and on athletic and intramural teams are critically important in a student's total development.

By participating in those cocurricular activities that interest them or are complementary to their academic programs, students can develop important insights about genuine communication, self-government, freedom, trust, honor and critical judgment. Programs designed by well-qualified faculty, staff and students provide opportunities for students to develop a sense of career, a philosophy of life, and sound ethical and moral principles.

Student Services

Personal Counseling

Under the direction of the Director of Counseling Services, counselors are available in Counseling Services to provide help to Elon students. Support groups and therapy groups, composed of students concerned about the same issues, are available for those interested. In each of the four campus areas—East, West, North and the Danieley Center—there is an Area Director, a master's-level staff member trained in counseling or a related field. In addition, within each residence hall there is a staff of specially trained Community Development Coordinators, usually one per floor.

CDCs live on the hall and help students learn more about Elon College, themselves and other students. Supporting the residence hall staffs are personnel associated with the Division of Student Life.

Health Service

The college maintains a health service, which is open Monday, Tuesday, Thursday and Friday from 8:30 a.m. to 4:00 p.m. and Wednesday from 8:30 a.m. to 1:00 p.m. and 3:00 p.m. to 4:00 p.m. A health service fee covers most routine health and nursing services and treatment by the college physicians. These fees do not cover medications, cases requiring a physician other than a college physician, emergency treatment at a local hospital, laboratory tests or procedures conducted off campus.

All students must present evidence that they are covered by health insurance before they can enroll in classes. All undergraduate and graduate students taking six or more credit hours may purchase a health insurance policy through the college. All students enrolled during day classes must submit a campus health form and immunization records.

Campus Living

38

There are 26 residence halls, 13 fraternity and sorority houses and four campus apartment complexes with a variety of living arrangements. Each residence hall room is furnished with beds, bureaus, desks, blinds and chairs. The student brings pillows, blankets, bedspreads, bed linens, towels and other articles such as wastebaskets, rugs and lamps. Residence halls open at 2:00 p.m. the day before registration each semester. They are closed during Thanksgiving, Christmas, spring and summer vacations, except for those residence halls occupied during summer school. Rooms will be vacated and residence halls locked no later than noon on the day following the last night of exams.

Provided on-campus housing space is available, all first and second-year students must live in the residence halls unless they are approved by the Residence Life Office to live with their parents, relatives or spouse. Transfers must live on campus until one year has passed since their high school graduation. All residence life policies and procedures for living on campus are presented in the Housing Agreement, which the student receives and acknowledges when applying for campus housing. This agreement is a one-academic-year contract renewable each academic year. The college helps students find off-campus housing, but does not serve as an intermediary in any way between the student and his/her landlord.

Students have access to coin-operated laundry facilities on campus.

Meals are served in the college dining halls, which open for the evening meal before the first day of registration, and close after the noon meal on the last day of final examinations. For vacation periods, college dining halls close after the noon meal of the last day of classes and open for the evening meal the day before classes resume.

Room Reservation and Security Deposits

New Students

Please refer to the Admissions, Finances and Financial Aid section of this catalog.

Continuing Resident Students

Students wishing to return to the residence halls for the upcoming academic year must submit a \$200 reservation fee during the housing reservation process announced by the Office of Residence Life during the spring semester. Students wishing to cancel their housing assignment must follow the procedures presented in the License Agreement they received when they applied for housing. The room payment/cancellation procedures are covered in this agreement also. Any questions can be directed to the Office of Residence Life.

Commuter Students

Programs that meet the particular needs of commuter students are offered through the Office of Student Life. The college encourages commuters to become involved in campus functions and organizations. Student lounges and a TV room are located on the first floor of Moseley Center. Commuter students may purchase

meal plans or the Elon Card for dining on campus and may buy a parking permit if they wish to park on campus.

New Student Orientation

New Student Orientation is held just before the fall term begins. All new students participate in the program, which is designed to prepare them for the college experience. Orientation includes small group activities as well as academic advising, testing, registration, lectures and social activities. A modified orientation program is offered for students entering in winter and spring terms.

In addition, the Admissions Office sponsors orientation programs every March and April for those students accepted by Elon who plan to attend the following fall. At that time, students may preregister, apply for on-campus housing and select a roommate.

39

The Student Government Association

The Student Government Association (SGA) represents the interests of the Elon student body. The faculty and staff of the college support and cooperate with the SGA. Projects and proposals dealing with social, cultural and academic life are promoted by the SGA President and the Student Senate.

Students play a direct role in academic and social policy-making through voting membership on numerous college committees. The SGA Office is in Moseley 231. SGA is advised by the Director of Student Activities.

Judicial System

The Judicial System is a code of student conduct under which all students should conduct themselves as responsible members of the college community. It is intended to be a code of integrity for students. For complete details about Student Affairs and the Judicial System at Elon, see the Student Handbook.

Campus Safety and Police

Campus safety is maintained by North Carolina Certified Law Enforcement Officers and by professional security staff with student support working under the direct supervision of the Director of Campus Safety and Police. The system works in close cooperation with the Town of Elon College Police and Fire Departments and the staff of the Division of Student Life.

Campus safety is a partnership between the college, its students, faculty, staff and guests. Students, faculty, staff and guests are encouraged to practice sound safety practices. In turn, the college attempts to provide facilities and services that optimize safety and security. Emergency telephones are located in strategic areas across campus. A complete list is updated yearly in the Student Handbook. The phones in the parking areas are designed to be accessible from an automobile without leaving one's vehicle.

The Office of Campus Safety and Police provides an escort service 24 hours a day. Students on campus call extension 5555 for this service; those off-campus who need an escort upon returning to campus should dial 278-5555.

In accordance with the Crime Awareness and Campus Security Act of 1990, complete information regarding campus security policies and programs and campus crime statistics is available upon request from the Director of Public Information, 2600 Campus Box.

Cultural Life

Each year a variety of programs is offered for the cultural and intellectual enrichment of campus life.

40

The Liberal Arts Forum, sponsored by the Student Government Association, schedules a number of lectures on current issues.

The Black Cultural Society brings speakers, musical groups and dance ensembles to Elon each year.

The Lyceum Series brings outstanding artists and performers to the campus during the year.

The Young Artist Series brings up-and-coming artists to campus.

The Classical Soirée Series, presented in the Yeager Recital Hall, brings outstanding artists to campus, often combining residency activities with a formal recital. Admission is free to the college community.

The James H. McEwen Jr. Visual Arts Series, named in honor of a former trustee and lifelong supporter of the arts, sponsors a number of visual art exhibits each year including fiber art, photography, sculpture, linocuts, watercolors, oil paintings and multimedia abstract compositions.

The Davidson Contemporary Print Exhibition, sponsored by Elon since 1990, is a national juried exhibition showcasing the current directions in printmaking in the United States.

A number of distinguished scholars in various fields are invited to the campus each year to give lectures and seminars for the enrichment of the academic program. There are also recitals in the Faith Rockefeller Model Center for the Arts presented by members of the Fine Arts Department faculty and advanced students in music. Several band and orchestra concerts are scheduled. Plays and musicals presented by Elon students and by visiting drama groups are also a feature of the college's cultural offerings.

The Student Union Board

Social activities at the college are largely planned and coordinated by the Student Union Board, which is advised by the Director of Student Activities. An extensive program of social, club and special-interest activities is carried out during the year. Among these are movies, trips, concerts, comedians, special events and many other social activities.

Moseley Center

Moseley Center is the center of college community life for the campus. This 74,000-square-foot campus center was opened in January 1995. Included in the

facility are: the campus information desk and switchboard, two informal lounges, a television lounge, the campus post office, a Spanish center (El Centro de Espanol), a gameroom, the Campus Shop, the Octagon Cafe, the African-American Resource Room, several meeting rooms, a large multi-purpose auditorium, the student media offices, student offices for campus organizations and the Student Life staff offices.

Religious Life

Responsibility for college religious life rests with the Chaplain, who coordinates all on-campus religious programs. Voluntary religious services are held during the academic year. The Elon College Community Church, located just off the campus, is affiliated with the United Church of Christ and is open to all students for worship. Many denominations are represented on campus in the form of student organizations and adjunct clergy. Most denominations have churches within a few miles of the campus. Groups meet regularly for discussions, social activities and service projects such as Habitat for Humanity. The Chaplain's office is located in Moseley Center.

41

Minority Affairs

Elon College is committed to the enrollment and retention of minority students. Programs and services are available to minority students addressing academic, social and cultural needs to ensure that each student at Elon receives the best possible liberal arts education. The Office of Minority Affairs serves as a support system to help minority students adjust to college life. Programs have been developed and implemented to facilitate the recruitment, retention and graduation of minority students. The S.M.A.R.T. Program and Hand to Hand Program support first year minority students with their transition to college. Students are assigned to an upper-class student mentor and faculty mentor. Mentors help first year minority students academically in the areas of study skills and time management. Both programs help first year students reach the high level of achievement that is expected at Elon College. The Office of Minority Affairs is located in Moseley Center.

African American Resource Room

The African American Resource Room, coordinated by the Office of Minority Affairs, provides a support function to African American students as well as an academic function for the entire college campus. The room serves as an instrument of orientation to students, faculty and staff on issues of race and diversity. With a valid Elon identification card, books and video tapes may be checked out. The African American Resource Room serves as a catalyst for creating a positive atmosphere on campus. Thus the room itself maintains a healthy and integrated educational environment for all to enjoy. The African American Resource Room is located in Moseley Center.

El Centro de Espanol

El Centro de Espanol provides a new approach to language learning. The focus of the center's programming is on "using Spanish," not just reading or writing. El Centro structures learning, but not in traditional ways of homework and grades.

Students, faculty and staff learn by total immersion in the Spanish language through such experiences as discussions with native speakers of Spanish, one-on-one and small group discussions, use of resource materials for solo study, CDs, tapes and films. The program at El Centro allows participants to advance at their own pace in a fun and relaxing environment. El Centro de Espanol provides a learning experience, reinforcing Elon's view of cocurricular activity, which occurs outside the boundaries of the classroom as part of the whole learning experience.

Leadership Development

42

Elon offers all students leadership skills and opportunities to exercise civic responsibility. The Emerging Leaders Program is open to all first-year students wishing to refine and further develop their leadership skills. Participants take part in leadership development workshops, attend cultural programs on campus, volunteer in the community, shadow a campus leader and join at least one campus organization. After successful completion of the Emerging Leaders Program, students may apply to become an Isabella Cannon Leadership Fellow. The Leadership Fellows Program offers students opportunities to study and practice leadership, participate in a series of seminars, facilitate service projects, lead campus organizations and mentoring experiences, and have the opportunity to participate in studies abroad and internship programs. Upon completion of all phases of the program, the student can graduate as an Isabella Cannon Leadership Scholar. Through the student managed L.E.A.D. Center, leadership development opportunities exist for all students not just those active in the Isabella Cannon Leadership program.

Service Learning

Students have the opportunity to participate in diverse service experiences through a student-run program called "Elon Volunteers!" Elon Volunteers! coordinates over 15 service programs in the local community. In addition to these on-going programs, EV! sponsors a wide variety of one-time service events and trips. The mission of EV! is to provide all members of the Elon College campus the opportunity to develop an ethic of service by connecting campus and community through service experiences.

The Kernodle Center for Service Learning is located in Moseley Center and provides resources for faculty to integrate service into their courses, giving students the opportunity to serve and learn at Elon.

Honor Societies

- *Phi Kappa Phi*

Membership in this national interdisciplinary honor society is one of the highest honors an Elon student can attain for academic excellence. Seniors (fourth-year students) in the top 10 percent of their class and juniors (third-year students) in the top 5 percent of their class are eligible for membership, must be in good standing, and must be distinguished through academic accomplishment.

- *Alpha Delta Omega*

Recognizes scholastic achievement by majors in human services

- *Alpha Kappa Delta*
Recognizes scholastic achievement in sociology
- *Alpha Psi Omega*
Recognizes scholastic achievement in the theatre arts programs
- *Beta Beta Beta*
Recognizes scholastic achievement in the biology program
- *Iota Iota Iota*
Recognizes scholastic achievement in the women's studies program
- *Kappa Delta Pi*
Recognizes scholastic achievement by majors in education
- *Kappa Mu Epsilon*
Recognizes achievement by majors in mathematics
- *Lambda Pi Eta*
Recognizes scholastic achievement in the field of communications
- *Omicron Delta Epsilon*
Recognizes scholastic achievement in the field of economics
- *Omicron Delta Kappa*
Recognizes students, faculty, alumni and outstanding citizens for exemplary character, service and leadership in campus life, and good citizenship within the academic and larger community
- *Order of Omega*
Recognizes students, faculty, staff and alumni for outstanding leadership, promotion of interfraternalism and service to the college and surrounding community
- *Phi Alpha Theta*
Recognizes scholastic achievement in the history program
- *Phi Eta Sigma*
Recognizes first-year students who have achieved a GPA of 3.7 or above
- *Pi Delta Phi*
Recognizes achievement by majors and minors in French
- *Pi Gamma Mu*
The North Carolina Alpha chapter of Pi Gamma Mu, national social science honor society, was chartered in 1929. Students and faculty members who attain distinction in the social sciences at Elon are eligible for nomination into membership
- *Pi Sigma Alpha*
Recognizes scholastic achievement in the political science program
- *Psi Chi*
Recognizes achievement by majors in psychology
- *Sigma Beta Delta*
Recognizes scholastic achievement in accounting and business administration
- *Sigma Delta Pi*
Recognizes achievement by majors in Spanish
- *Sigma Gamma Alpha*
Recognizes scholastic achievement for members of Greek-letter organizations

- *Sigma Iota Rho*
Recognizes scholastic achievement in the international studies program
- *Sigma Tau Delta*
Recognizes scholastic achievement in English
- *Theta Alpha Kappa*
Recognizes students and faculty for scholastic achievement in the field of religious studies

Student Organizations and Activities

44 Elon College offers students opportunities to become involved in more than 100 activities and organizations on campus. The range of these activities is considerable. Students are encouraged to work with the Director of Leadership and Organization Development to start new organizations. Refer to the student handbook for a listing of all campus organizations and the process for starting a new organization.

Departmental

Accounting Society, Alpha Kappa Psi, Association of Computing Machinery, Crime Club, Health, Physical Education and Leisure Club, Human Services Club, Lincoln Pre-med Society, Mathematics Association of America, Pre-law Society, Psychology Club, Society of Professional Journalists, Sociology Club, Student Affiliates of the American Chemical Society, Student North Carolina Association of Educators and Women in Communications.

Greek

There are 19 general fraternities and sororities at Elon. Fraternities include: Alpha Phi Alpha, Kappa Alpha Order, Kappa Alpha Psi, Kappa Sigma, Lambda Chi Alpha, Pi Kappa Phi, Phi Beta Sigma, Sigma Chi and Sigma Pi. Sororities include: Alpha Kappa Alpha, Alpha Omicron Pi, Alpha Sigma Alpha, Alpha Xi Delta, Phi Mu, Sigma Gamma Rho, Sigma Kappa, Sigma Sigma Sigma, Zeta Phi Beta and Zeta Tau Alpha.

Music

Chamber Singers, Concert Choir, Élan, Emanons, Orchestra, Pep Band, Percussion Ensemble, Student Chapter of Music Educators National Conference, Twisted Measure (a cappella group) and Symphonic Winds.

Religious

Baptist Student Union, Campus Outreach, Catholic Campus Ministry, Elon College Gospel Choir, Elon Hillel, Intervarsity Christian Fellowship and Methodist Fellowship.

Service

Alpha Phi Omega, Elon Volunteers!, GAMMA (Greeks Advocating the Mature Management of Alcohol), Circle K (College Chapter of Kiwanis), Epsilon Sigma Alpha, Elon College Chapter of Habitat for Humanity, Safe Rides, One-in-Three and Sierra Student Coalition.

Sports

Nearly 20 club and intramural teams, including lacrosse, rugby, roller hockey, swimming, field hockey and volleyball.

Cultural and Special Interest

Black Cultural Society, Elon's Finest, Intercultural Relations, Liberal Arts Forum, Resident Student Association (RSA), Model UN, North Carolina Student Legislature, Students for Peace and Justice, Student Government Association and Student Union Board.

Communications Media

45

Media Board

The Board is composed of students and members of the faculty and administration. It advises, guides and encourages all student media on campus.

ESTV

ESTV is a student operated TV station providing experience for students interested in all areas of communications.

Colonnades

The college literary magazine is published by students interested in creative expression, both verse and prose.

The Pendulum

The college newspaper, *The Pendulum*, is published weekly by a student staff both in print and on a World Wide Web homepage.

Phi Psi Cli

The college yearbook is edited by members of the student body. Its name, *Phi Psi Cli*, commemorates three former literary societies.

WSOE

The campus radio station, WSOE 89.3 FM, operates each day and is staffed primarily by students.

Who's Who

Each year a committee composed of members of the faculty, administration and student body elects students to be listed in the national publication *Who's Who in American Colleges and Universities*. Students are selected on the basis of scholarship, participation and leadership in academic and extracurricular activities, citizenship and service to the college, and promise of future usefulness.

Campus Recreation

The Office of Campus Recreation is service-oriented with a philosophy based on providing maximum recreational opportunities for students, faculty and staff at Elon College. From playing flag football, going white-water rafting, participating in

an aerobics class, or special programs such as state and regional tournaments, the campus recreation program provides the opportunity for students to participate in a safe and enjoyable environment.

The variety of programs range from formal structured leagues to informal activities. Participation in these activities gives students the opportunity to develop friendships and learn important lessons of sportsmanship, team building, cooperation, personal development and self-actualization. Elon values wellness and the life-long importance of the wise use of leisure time.

46

The Office of Campus Recreation is student-centered and strives to provide an opportunity for students to transfer classroom theories into practical work experiences. Student leaders coordinate and manage all of the campus recreation programs.

Aerobics

The college offers a diverse program including aerobics, step aerobics, water aerobics and toning classes. All instructors are trained through the Aerofit training program and are nationally certified or working toward certification. With more than 20 classes per week, exercise opportunities are offered for every type of exercise enthusiast.

Aquatics

The aquatics program consists of open swim times, scheduled swim times and a variety of aqua-fitness programs. In addition, recognized Elon organizations can reserve the facility for pool parties.

Fitness

The state-of-the-art fitness center and free-weight rooms offer not only the equipment needed for a quality workout but a well-trained staff to help meet your fitness needs. Your own personal fitness program can also be developed through a personal training program. In addition, competitions are planned each semester such as Cardio Conquest and Step Across America.

Intramurals

Intramural events offer a variety of sport leagues and tournaments. Different divisions are available to meet the diverse levels of competition. In addition, co-rec leagues are available in all sports. Some of the sports offered are basketball, soccer, softball, tennis, volleyball, flag football and arena football.

Outdoor Programs

Elon Outdoors consists of adventure trips such as backpacking, skiing and white-water rafting. In addition, camping equipment such as backpacks, sleeping bags, tarps and tents may be rented. For those who wish to venture on their own excursions, resource information on many outdoor recreational opportunities all over the United States is available. Additionally, Elon Outdoors offers training to those outdoor enthusiasts who are interested in leading one of our trips.

Open Recreation

A variety of free-play time is available for those who prefer unstructured recreational pursuits. Two gyms, five racquetball courts, a pool, fitness center, commons areas, and several outdoor facilities, including sand volleyball courts and basketball

courts, are available for Open Recreation. In addition, a variety of equipment is available for check-out.

Club Sports

Club sports may range from informal to competitive depending on the clubs' participants. New clubs are welcome to join existing clubs such as men's lacrosse, men's and women's rugby, swimming, field hockey, roller hockey and volleyball.

Special Events

A variety of short-term recreational and educational events are planned. Some of the events are corporate-sponsored theme weeks, such as Cardio Conquest and Health and Wellness Week. Other special events include RecFest and the Turkey Trot.

47

Intercollegiate Athletics

Elon is a member of the National Collegiate Athletic Association (NCAA) Division I (I-AA for football) and Big South Conference. Elon's men's teams compete in intercollegiate football, basketball, baseball, tennis, golf, soccer and cross-country. Elon's women's teams compete in intercollegiate volleyball, golf, basketball, softball, soccer, tennis and cross-country.

Traditional Events

Fall Convocation

Each fall semester a prominent educator or civic leader is invited to speak to the student body, faculty and staff.

New Student Convocation

Each fall, as part of the new student orientation, all new students, parents and faculty gather in Koury Center for a convocation.

Greek Week

A time for unity, friendly competition and fun is sponsored each spring by the PanHellenic, National Pan-Hellenic and Interfraternity Councils. Contests of various kinds — tug of war, chariot races, dance competition and sporting events — as well as a service project and an educational speaker provide a well-rounded experience to promote Greek life.

Homecoming

Homecoming takes place in the fall, bringing back to the campus many former students. Entertainment includes: a golf tournament, a football game, Sports Hall of Fame induction ceremony, and major student and alumni activities.

Family Weekend

In the fall, parents and other family members are invited to visit the campus and participate in several events planned especially for them. Activities include a parent-student golf tournament, a college football game, parent/professor meetings, coffee at the home of the President as well as evening entertainment and excellent food. It is a great time for families to meet Elon faculty and administrators.



Admissions, Finances and Financial Aid

49

Freshman Application Procedures

Applications for admission should be submitted early in the high school senior year. Application deadlines and priority deadlines for admission in the fall semester are as follows:

Early Decision

Deadline: November 15

Fellows Program Applicants

For consideration as a Fellows candidate, the Fellows application AND the Freshman Admissions application must be postmarked on or before January 10.

Regular Decision

Priority deadline: February 1

Applications received after this date will be considered on a space-available basis.

The Priority Deadline for spring semester applications is December 1.

Elon College applications are available from many high school guidance offices, on-line at <http://www.elon.edu> or directly from the Office of Admissions, 2700 Campus Box, Elon College, NC 27244. Telephone: 800-334-8448 or 336-278-3566. E-mail: admissions@elon.edu. Elon also accepts the Common Application.

Freshman applicants must submit:

1. Completed and signed application
2. \$35 application fee
3. High school transcript
4. SAT I or ACT test scores
5. Counselor Evaluation Form

The SAT or ACT should be taken late in the junior year and again early in the fall of the senior year. In making admissions decisions, Elon will combine the highest math and verbal scores from all test scores submitted. It is important to ensure that we receive all test scores that are available.

Freshman Admission Requirements

Admission to Elon is competitive. Elon seeks students, from a variety of backgrounds and with strong academic preparation, who can contribute to and benefit from the college's many academic and extracurricular programs.

The most important factors in the admission decision are the academic record (including courses taken, grades attained and class standing) and standardized test scores. Other factors, which may be considered, include leadership potential, extracurricular and service-related activities, special talents, relationship with the college and the ability to contribute positively to the campus community. Other than the Counselor Evaluation Form, recommendations are not required and will be taken into consideration only if submitted at the same time as the application. Because of the volume of applications received, the Admissions Office is unable to match later recommendations to the file.

A student's high school academic record is a primary factor in every admissions decision. In general, students should have taken a rigorous selection of college preparatory or higher level courses throughout their four years of high school. The most promising candidates for admission will have demonstrated solid achievement in five or more academic subjects each year. Minimum preparation must include:

1. Four years of English
2. Three years of mathematics, including Algebra I, Geometry and Algebra II
3. Two years of science, including one laboratory science
4. Two years of social science, including U.S. History
5. Two years of the same foreign language

Freshman Admission Notification

Elon operates on a modified Rolling Admissions plan. Generally, applicants will be notified of a decision within four to eight weeks from the time that the application is complete, beginning October 1 for fall admission. Some applicants will be asked to submit new information to strengthen their chances for admission, usually new SAT or ACT scores and/or first semester grades. All the files of the students who are asked to submit first semester grades will be reconsidered in late February or early March and decisions will be mailed prior to April 1.

All offers of admission are contingent upon satisfactory completion of the senior year courses. Elon reserves the right to withdraw an acceptance if the final grades are unsatisfactory.

The Early Decision Plan

Well-qualified high school students who decide at the close of their junior year that Elon College is their first choice may take advantage of the Early Decision Plan.

To be considered for Early Decision, a student may apply any time after completion of the junior year, but the application must be completed no later than November 15 of the senior year. The application must be sent with the high school record, scores on the SAT and/or ACT, the Counselor Evaluation Form and a signed Early Decision agreement.

Students accepted under the Early Decision Plan have several advantages:

- (1) notification of the admissions decision within three weeks of the receipt of the completed application package, beginning October 1; (2) the opportunity to attend the first Spring Orientation Weekend; (3) priority status for housing and registration; and (4) an early financial aid estimate.

Accepted Early Decision students must submit a nonrefundable \$300 deposit by January 15 and withdraw applications from all other colleges at that time.

Transfer Admission

51

Transfer students are admitted at all class levels based on their academic record at the institution from which they are transferring. In order to graduate, one full academic year of study (at least 33 semester hours) must be completed at Elon, including the last term before graduation.

To be admitted for advanced standing, the student is expected to have at least an overall "C" average on work attempted at other institutions, to be eligible to return to the last institution attended and to be recommended by college officials.

In order to be considered for transfer admission a student must:

1. Submit a completed and signed Transfer application form with the \$35 application fee.
2. Have official transcripts sent from all two-year or four-year colleges attended.
3. Have a Dean's Evaluation Form completed by the dean of the last college attended verifying eligibility. This form is not required if the student has received an associate degree.
4. Have an official final high school transcript and SAT or ACT scores sent. The SAT/ACT requirement may be waived for some advanced students or nontraditional students who did not take the test while in high school.

The priority deadline for transfer application for the fall semester is June 1; for spring semester, December 1. After these dates applications will be considered on a space-available basis.

Transfer Credit

Students earn credit for courses taken through college parallel programs at accredited junior colleges or community colleges and for courses taken at accredited four-year colleges and universities. Transcripts are evaluated and credit is awarded on a course-by-course basis after the student has been accepted for admission. The freshman course, GST 110, Global Studies, is waived for students transferring 18 hours or more.

No more than 65 semester hours of credit will be allowed from two-year institutions. No credit is allowed for courses with a grade lower than "C-." Credit will not be given for courses taken while a student is under academic suspension.

International Student Admission

Elon College recognizes the importance of intercultural experiences in education. International students from more than 36 countries attend Elon each year.

Prospective students from outside the United States may obtain admissions packets from the Office of International Admissions. International students must submit the International Admissions application with a nonrefundable \$35 (U.S. dollar) application fee, translated transcripts from all secondary and postsecondary schools attended and a completed Certificate of Financial Responsibility (CFR).

The Test of English as a Foreign Language (TOEFL) is required unless English is the student's native language or the language of instruction. Presidential scholarships are available for students with outstanding academic records.

52

International students may apply online at Elon's website: www.elon.edu. Applications and documentation should be submitted as early as possible since it may take several months to receive and process forms from abroad. The Office of International Admissions can be contacted by calling 336-278-6900 or 800-334-8448 (toll free in the USA); FAX is 336-278-6999; E-mail address is interadm@elon.edu. Inquiries may also be directed to the office by accessing Elon's Web site at www.elon.edu/international.

Enrollment Deposit for all Resident Students

To complete acceptance and reserve a room for the fall semester, an enrollment deposit of \$300 is recommended within one month of acceptance but no later than May 1 for fall semester enrollment. (Exception: the nonrefundable \$300 deposit for Early Decision students is due no later than January 15.) For students who are accepted after May 1, the enrollment deposit is due within one week. Room assignments are made according to the date of deposit, with Early Decision students assigned first. For the spring semester, an enrollment deposit of \$300 is recommended within one month of acceptance but no later than January 15.

Refund Policy

The fall semester enrollment deposit may be refunded in full by notifying the Office of Admissions in writing prior to May 1. After that date \$150 is refundable until June 15. Early Decision and spring semester enrollment deposits are not refundable. Exceptions to this policy must be authorized by the Dean of Admissions and Financial Planning and are generally limited to those students for whom Elon is not able to meet demonstrated financial need.

Enrollment Deposit for all Commuter Students

To complete acceptance for the fall semester, an enrollment deposit of \$150 is requested within one month of acceptance but no later than May 1. For students accepted after May 1, the enrollment deposit is due within one week. The deposit is not refundable after June 15.

For the spring semester, the \$150 enrollment deposit is due no later than January 1 and is not refundable.

Residency Requirement

Elon College has a two-year residency requirement. All first- and second-year students are required to live on campus except those who are living with their parent(s), nontraditional students and transfer students who have been out of high

school one year or more. Priority for housing assignments is based on the date enrollment deposit is received by Elon.

Special Students

The college admits a limited number of special students who are not working toward degrees at Elon College. Special students include:

- Persons taking only private music instruction in the Department of Fine Arts. Such applicants are admitted if instructors are able to schedule lessons for them.
- High school graduates taking classes of special interest. Persons out of high school less than two years are required to submit a copy of their high school transcript and SAT/ACT scores.
- Visiting students from other colleges attending summer and winter terms.
- College graduates interested in further study at Elon. Such applicants are admitted if they fulfill requirements for admission to the desired courses.
- College graduates working toward teacher licensure or relicensure.
- High school students taking classes on the Elon campus during their senior year. Credit for this work is generally transferable to other institutions. (Credit Bank application required.)

Special students may register for no more than eight hours per semester without approval of the Dean of Academic Affairs.

Advanced Placement Examination

Students earning a score of three or better in the Advanced Placement Tests of the College Entrance Examination Board taken in high school may receive credit in the following fields: art, biology, chemistry, computer science, economics, English, French, German, history, mathematics, music, physics, political science, psychology and Spanish. Scores should be sent to the Office of Admissions.

International Baccalaureate

Students earning a score of 4 to 7 on higher level exams will receive at least four semester hours of credit. No credit is awarded for subjects passed at the standard level of IB. Scores should be sent to the Office of Admissions.

College-Level Examination Program (CLEP)

The College-Level Examination Program (CLEP) of the College Board enables students to earn college credit by examination. Students desiring credit by examination must earn a scaled score of 500 on the General Examinations and/or a score of 50 on the Subject Area Examinations. Credit may be awarded in the following areas: composition and literature, foreign language, history and social sciences, science, and mathematics. Scores should be sent to the Admissions Office.

Department Examination

Students may contact the Dean of Academic Affairs for details concerning the process of credit through examination by departments at Elon in areas not covered above. The cost for each examination is \$275.

Credit for Veterans

Veterans entering Elon may transfer certified credits from various areas:

- Military personnel on active duty who wish to submit CLEP credits should see their Education Officers concerning CLEP tests or write to USAFI, Madison, Wisconsin.
- Work from other accredited postsecondary institutions may be accepted.
- Students with one year of active duty in military service will receive credit for the Physical Education requirement by bringing a copy of their DD-214 Form to the Registrar's Office for verification.

54

General Costs

The cost of attending Elon College is purposely held at a reasonable level. The chart on page 55 gives the particular charges for resident and commuter students. Please note that there are special tuition rates for part-time students.

Student Government Association and health service fees are collected from all students enrolled for nine or more semester hours during registration.

Costs Covered by Tuition

Included in the tuition fees are costs of registration, use of the library and recreational facilities, admission to home athletic events, student publications, post office box, regular laboratory fees and 12 to 18 semester hours of work, inclusive each semester.

The tuition, fees and estimated book expenses do not include fees for special courses and special laboratory work which depend on the course of study undertaken. Personal expenses vary with the individual student. For the student who must earn money toward his/her college expenses, a number of work opportunities are available through the Career Center and the Human Resources Office.

The Meal Plan

All residence students are required to participate in a meal plan. The cost of the meal plans is established each spring and students are notified in the summer before payments are due. Students living off campus are also welcome to purchase a meal plan, use the Elon Card (a debit card for use in dining halls and the Campus Shop) or purchase individual meals in any of the six campus dining locations.

Book Expenses

The estimated cost of textbooks is \$650 for the academic year, including \$325 needed for purchases from the campus bookstore at the opening of fall semester.

Room Change Charge

Students changing rooms without permission of the Dean of Students are charged for both rooms.

Expenses for the 2000-2001 Academic Year

Full-Time Enrollment/Day Students (12-18 hours)

	<u>Fall Semester</u>	<u>Winter Term*</u>	<u>Spring Semester</u>
Tuition	\$6,778.00	\$275.00/hour	\$6,778.00
Room – Main Campus			
Double	1,060.00	287.00	1,060.00
Single	1,376.00	363.00	1,376.00
(Double as single)+	1,482.00	391.00	1,482.00
Room – Danieleley Center			
10 person flat	1,060.00	287.00	1,060.00
8 person flat	1,227.00	332.00	1,227.00
4 person flat	1,482.00	391.00	1,482.00
Board** (winter term billed with fall semester)			
5 Meal Plan	930.00	189.00	741.00
19 Meal Plan	1,414.00	288.00	1,126.00
15 Meal Plan	1,458.00	297.00	1,161.00
Unlimited	1,588.00	324.00	1,264.00
Student Government	60.00		60.00
Health Service	52.50		52.50
Overload***	275.00/hour		275.00/hour
Security Deposit (refundable, applies to residence hall students only)			100.00

* Students enrolled full-time for either fall or spring semester (within the same academic school year) are not charged for winter term room or tuition if no overload exists in winter term. Residence hall students enrolled full-time fall semester not attending winter term will be eligible for a credit for winter term board.

** 5 Meal Plan – 5 dining hall meals per week and \$325 Elon Card balance each semester (fall and spring) and \$150 Elon Card balance winter term.

19 Meal Plan – 19 dining hall meals per week and \$60 Elon Card balance each semester (fall and spring) and \$30 Elon Card balance winter term.

15 Meal Plan – 15 dining hall meals per week and \$110 Elon Card balance each semester (fall and spring) and \$55 Elon Card balance winter term.

Unlimited Meal Plan – Unlimited dining hall meals per week and \$70 Elon Card balance each semester (fall and spring) and \$35 Elon Card balance winter term.

Meal Plan Requirements: A meal plan is required for all students living in Residence Halls, Greek Houses and Danieleley Center Flats and Sophomores in apartments. The 5 meal plan is the minimum required board plan for Sophomores living in Danieleley Center A-F, K and Elon Place Apartments, Five Villas, College Manor and any other apartments managed by the college. Students living in traditional Residence Halls, Greek Houses and Danieleley Center flats (G-J) may not select the 5 meal plan. Elon Card balances from meal plans are restricted for meals and food purchases only and is not refundable if not used. Meal plan money may not be used in the campus shop.

*** More than 18 hours in fall or spring; more than four hours in winter.

+ Provided space is available and approval given by Residence Life Office

Part-Time Enrollment/Day Students and All Evening School

Tuition	1-8 hours	\$275/hour
	9-11 hours†	\$425/hour

†Day students enrolled for 9-11 hours must pay SGA and health fees.

Evening students can enroll in no more than four semester hours in the day program.

Graduate Programs

MBA Tuition	\$291/hour
M.Ed. Tuition	\$239/hour
56 MPT Tuition (Jan.-June, \$9,800; July-Dec., \$7,020)	\$16,820/year

Summer School 2000 - TBA

Special/Optional Fees (No Refund After Drop/Add Deadline)

Applied music lessons:

Each one semester hour credit or audit for nonmusic majors	\$260/credit hour
First special instruction class for music majors (for the first class and then the regular rate for every class thereafter)	\$150/credit hour
Each one semester hour credit or audit for music majors taking second or additional lessons	\$260/credit hour
Auditing per course	\$125

Charges for other courses with special fees are listed in the catalog and/or the course schedule.

Graduation Fees

Bachelor's Degree	\$40
Master's Degree	\$50

Miscellaneous Fees

Auditing per course	\$125
Late registration/Re-enrollment during term	\$25
Late payment	\$30
Adding a course after Drop/Add Day	\$10
Transcripts	\$5
Security deposit (residence hall damage and key return, refundable upon completion of housing contract)	\$100
Examination for course credit	\$275
Automobile registration	
Resident students	\$50
Commuter students	\$40
Replace I.D. card/meal ticket	\$30
Returned check fine	\$20

A student's grade or graduate's diploma and transcripts will be withheld until his/her financial obligations to the college are settled. A student cannot register for further course work until financial obligations to the college are settled.

Refunds

Academic Year— Fall and Spring Semester* Undergraduate, MBA, M.Ed.

Tuition, fees and room charges are refunded as follows:

- Students will receive refunds on a pro rata basis during the first eight weeks of the semester. Following is a table of pro rata charges:

1st week pro rata charge	5%
2nd week pro rata charge	10%
3rd week pro rata charge	40%
4th week pro rata charge	60%
5th week through 8th week pro rata charge	75%
9th week —	no refund

Exception to the above policy is as follows:

- Medical withdrawals will be handled on a case-by-case basis.
- The effective date of withdrawal is determined by the Office of the Associate Dean of Student Life. Students and parents who believe circumstances warrant an exception from the published policy must appeal to Mr. Gerald Whittington, Vice-President for Business and Finance, Room 113, Alamance Building.

Master of Physical Therapy Program

Students will receive refunds on a pro rata basis during the first 13 weeks of each half of the academic year. The first half begins with the first day of classes in January. The second half begins with the first day of July. Following is a table of pro rata charges:

Start of the period through the end of 3rd week.....	10% charge
4th week through the end of the 7th week.....	50% charge
8th week through the end of the 13th week	75% charge
14th week.....	no refund

The effective date of withdrawal is determined by the Dean of Student Life. Students who believe circumstances warrant an exception from the published policy must appeal to Mr. Gerald Whittington, Vice President of Business and Finance, Room 113, Alamance Building.

Unpaid charges owed by the student will be deducted from the calculated refund.

The acceptance deposit is nonrefundable.

Exception to the Institutional Policy

Medical withdrawals will be handled on a case-by-case basis.

* Upon withdrawal, meal plan refunds are prorated.

Winter Term and Summer School*

Students who end enrollment during the second or third day of classes of winter term will receive a 90 percent refund of tuition and room charges. Students who end enrollment during the fourth or fifth day of classes of winter term will receive a 50 percent refund of tuition and room charges. Students who end enrollment during the sixth or seventh day will receive a 25 percent refund of tuition and room charges. There will be no refund after the seventh day of classes.

58

Students who end enrollment during the second or third day of classes in Summer I will receive a 90 percent refund of tuition and room charges. Students who end enrollment on the fourth, fifth or sixth day of Summer I will receive a 50 percent refund of tuition and room charges. Students who end enrollment on the seventh through tenth day of Summer I will receive a 25 percent refund of tuition and room charges. There will be no refund after the tenth day of classes.

Students who end enrollment on the second or third day of classes of Summer II will receive a 90 percent refund of tuition and room charges. Students who end enrollment on the fourth day of classes of Summer II will receive a 50 percent refund of tuition and room charges. Students who end enrollment on the fifth, sixth and seventh day of classes in Summer II will receive a 25 percent refund of tuition and room charges. There will be no refund after the seventh day of classes.

The refund policy for MBA and M.Ed. is listed in the catalog for those programs.

Notice of Withdrawal

In order to be eligible for a refund upon withdrawal a student must notify the Dean of Student Life in writing of his/her intentions. The student must also check out with the Financial Planning and Bursar's offices. Refunds are calculated as of the date of withdrawal specified by the Dean of Student Life.

Financial Aid

Elon College is committed to assisting eligible students in securing the necessary funds for a college education. To the extent possible, eligible students receive aid through careful planning and various forms of financial assistance.

In order to receive any type of college, state or federal aid, students must demonstrate satisfactory academic progress toward the completion of degree requirements. No financial aid is offered until an applicant has been accepted for admission to Elon College; however, prospective freshmen should not wait to be accepted before making application for aid.

Financial aid programs vary by source, eligibility criteria and application procedures. While every effort is made to meet each student's full need, that is not always possible, due to a limited amount of aid available. Students will be offered a financial aid "package" which is an award consisting of one or more of the following types of aid: scholarships, grants, low-interest loans and campus employment. Scholarships and grants are "gift assistance" which do not have to be repaid while loans and work are referred to as "self-help." Financial aid packages may consist of

* Upon withdrawal, meal plan refunds are prorated.

all self-help or a combination of self-help and gift assistance. Applying early for financial aid improves your chances of getting the maximum aid for which you are eligible.

Financial Assistance Based on Need

There are a variety of need-based financial aid programs. The federal government, some states (including North Carolina) and the college itself offer grant, loan and work-study programs. Grants are funds which do not have to be repaid; loans to students are generally repayable only after the student is no longer enrolled, and work-study funds are earned through employment on campus. Many students use work-study funds to meet their personal financial needs during the school year.

59

All need-based financial aid is renewable up to four years provided the same level of need is demonstrated each year, the student maintains satisfactory academic progress as defined by the college for financial aid purposes and the funds remain available. Renewal cannot be assured to those students whose financial aid application files are completed after March 15 of any year.

Federal Programs

Federal Pell Grant

For students with a high need, Pell Grants provide from \$400 to \$3,300 annually.

Federal Supplemental Educational Opportunity Grants

Federal funds given to and awarded by the college to students demonstrating high need. Amounts vary.

Federal Stafford Student Loans (Subsidized)

Moderate interest loans awarded directly to students which are available through many state agencies and private lenders. Freshmen may borrow up to \$2,625 annually, sophomores up to \$3,500 annually, and juniors and seniors up to \$5,500 annually. These loans are federally guaranteed and no interest accrues, nor is any payment due, until six months after the student ceases to be at least a half-time student. Separate application required.

Federal Perkins Loans

Federal funds given to and awarded by the college to students demonstrating high need. No interest accrues and no payment is due while the student is enrolled at least half-time. Repayment begins nine months after the student ceases to be at least a half-time student. Amounts vary.

Federal College Work-Study

Awarded to students with need who work on campus and who are paid according to hours worked. Awards vary based on amount of need. Work-study earnings are not paid in advance so they cannot be used to pay the direct costs (tuition, room, board, books, etc.) of the semester in which they are awarded.

State Programs

North Carolina Contractual Scholarship Fund

State funds given to and awarded by the college to North Carolina residents with need. Amounts vary.

North Carolina Student Incentive Grant

Awards of up to \$1,500 annually for North Carolina residents.

Pennsylvania and Vermont State Grants

For students who are residents of these states. Amounts vary.

Elon College Programs

In addition to the numerous federal and state programs, the college offers its own need-based assistance. Funds for these programs are provided directly by the college as well as through donations and gifts to the college by many individuals, businesses and foundations. All students who apply for need-based aid and who demonstrate need are automatically considered for these funds. No separate application is required.

The Leon and Lorraine Watson North Carolina Scholarship

Up to 10 scholarship recipients will be chosen annually. To qualify for selection, students must be North Carolina residents who have attended for one or more year(s) and will graduate from a North Carolina high school and who have a strong record of academic achievement. Recipients will receive a financial aid award ranging from \$10,000 annually to the full cost of tuition, fees, room and board. Each annual award will include a \$4,000 Watson Scholarship and the North Carolina Legislative Tuition Grant, currently valued at \$1,750. Other scholarships and grants will vary according to financial need and academic achievement and may include state, federal and institutional funds. In addition, recipients receive a one-time \$3,000 grant to fund a study abroad experience. A separate application is required and must be submitted by February 1 for the following academic year. For information, contact the Office of Admissions.

Institutional Grants

College grants based solely on demonstrated need. Amounts vary in accordance with need.

Need-based Endowed Scholarships

Awarded to students who demonstrate need and who meet certain other criteria as established by the donors. The college identifies eligible students and awards these funds accordingly. No separate application is required.

Financial Assistance Not Based on Need

There is help available for students and families who do not qualify for need-based aid. This help is in the form of scholarships, grants, loans and work-study. Listed below are some of the opportunities available from Elon, state and federal governments and outside sources.

North Carolina Legislative Tuition Grant

Every North Carolina resident who attends Elon as a full-time undergraduate student automatically receives a Legislative Tuition Grant of approximately \$1,750 from the North Carolina General Assembly. The exact amount of the grant is set annually by the General Assembly. A brief application must be completed at registration to show legal residency.

UCC Ministerial Discount

\$1,000 per year (\$500 per semester) to full-time students who are legal dependents of full-time ministers in the United Church of Christ. Documentation of eligibility is required.

North Carolina Teaching Fellows

Elon is one of only two private colleges in North Carolina selected to offer the prestigious North Carolina Teaching Fellows program. Fellows attending Elon receive a minimum annual funding of \$13,000 for four years plus air fare to London for one semester. \$6,500 is provided by the North Carolina Teaching Fellows commission and an additional \$6,500 is guaranteed by Elon, including the North Carolina Legislative Tuition Grant. Fellows are selected by the Teaching Fellows Commission which provides its \$6,500 per year contribution on the condition that Fellows teach for four years in N.C. public schools after graduation. Elon admits 25 Teaching Fellows each year.

61

Presidential Scholarships

Presidential Scholarships of \$1,000-\$3,000 annually are awarded to approximately the top one-fourth of the entering freshmen each year. The awards are based on high school course selection, class rank and/or grades and SAT/ACT scores. No separate application is needed. Scholarships are automatically awarded to students who meet the necessary criteria when the completed admissions application is reviewed. All Presidential Scholarships are renewable for a total of four years pending acceptable academic performance.

Engineering Scholarships

Incoming freshmen who plan to major in Elon's dual-degree engineering program can compete for one of four \$2,000 engineering scholarships awarded annually. A special application is required and must be postmarked by January 10. Selection is based on academic performance, letters of recommendation and an interview. Engineering scholarships are renewable annually and are awarded in addition to any Presidential Scholarship award already received. Contact the Office of Admissions or Dr. Richard D'Amato, Director of Engineering Programs, for more information or an application.

Fellows Scholarships

Elon's Fellows programs offer exciting academic and personal growth opportunities beyond the scope of the usual college experience—opportunities like travel grants, special courses, guaranteed internships or paid research assistantships. In addition, each of the Fellows programs offers scholarships to selected incoming Fellows. To be considered for one of these scholarships, students must apply and be admitted to the Fellows program. The scholarships are renewable for a total of four years provided that all program requirements are met. Although it is possible to be admitted to more than one Fellows program, a student may only be awarded one Fellows scholarship. These Fellows scholarships are awarded in addition to any Presidential Scholarship that has been received.

To receive more information and an application for the Fellows programs, contact the Office of Admissions. Applications must be postmarked by January 10. The admissions application must be submitted by the same date.

Honors Fellows Scholarships

Ten scholarships of \$2,000 annually and two scholarships of \$5,000 annually are awarded to freshman Honors Fellows each year.

Science Fellows Scholarships

Ten scholarships of \$2,000 annually are awarded to incoming Fellows each year. All Science Fellows must major in either biology, chemistry, physics, mathematics or computer science.

Jefferson-Pilot Business Fellows Scholarships

Two scholarships of \$2,000 annually are awarded to incoming Fellows each year. Jefferson-Pilot Business Fellows must major or minor in either business administration, economics or accounting.

Journalism and Communications Fellows

Two scholarships of \$2,000 annually are awarded to Fellows each year.

Freshmen Leadership Fellows

Four scholarships of \$1,000 annually are awarded to freshmen Fellows each year.

Fine Arts Scholarships

The Department of Fine Arts awards scholarships to outstanding freshmen in the field of music and theatre on the basis of audition. The scholarship amounts vary. Contact the Fine Arts Department.

Athletic Scholarships

In compliance with NCAA Division I regulations, athletic scholarships are awarded by the Department of Intercollegiate Athletics in each sport offered at Elon. The awards are based on performance and the amount varies. Contact the Athletics Department.

Reserve Officers Training Corps (ROTC)

The United States Army offers four-year scholarships which cover the cost of tuition and books for four years, plus \$100 per month for personal expenses. Elon provides room and board at no cost to all four-year ROTC scholarship winners. The Army also offers some two-year scholarships for which students in the Elon ROTC program may compete.

Private Scholarships

Foundations, service clubs, churches and corporations give away millions of dollars of scholarships each year to worthy students. Many Elon students receive this type of scholarship help in addition to other types of help they may be receiving.

Students generally seek these scholarships on their own. A good place to start is by asking your high school guidance office about community and other scholarships with which they may be familiar. Then ask about the availability of scholarships at places where family members are employed, through your church and through any organizations to which family members belong. Finally go to the public library for guidebooks to scholarships from foundations, corporations and government agencies or search the World Wide Web for information on scholarship sources.

Campus Employment

Many Elon students pay for some of their college living expenses by working a part-time job, either on or off campus. The opportunities for campus employment at Elon are available both to students who qualify for need-based assistance and to students who do not.

Students in part-time jobs get valuable experience, learn time-management skills, build friendships with the office personnel and, in certain cases with the approval of the Director of Experiential Education, receive internship credit.

63

Loan Options Not Based on Need

Several sources of long-term loan funds are available that are based on credit worthiness rather than "need."

Federal Parent Loan for Undergraduate Students (PLUS)

Parents may borrow up to the cost of education (at Elon, \$18,441 for tuition, fees, room and board and \$2,889 for books and miscellaneous expenses for 2000-01) less any other aid per academic year for each dependent enrolled at least half-time. Interest rate is variable and is based on the 91-day T-bill rate plus 3.10 percent with a cap of 9 percent. Repayment is not deferred during the student's period of enrollment.

Federal Stafford Student Loans (unsubsidized)

Available to all students regardless of need. Loan amounts are the same as for the need-based subsidized program. However, under this program, borrowers do not qualify for federal interest subsidy payments, thus interest accrues while the student is in school. Repayment of principal begins six months after the student is no longer enrolled half-time. The interest rate is variable, capped at 8.25 percent and is based on the 91-day T-bill rate plus 2.3 percent. Separate application required. Note: Students must file an application for need-based financial aid to be considered for one of these loans. A determination must first be made that the student is not eligible for a need-based subsidized loan. (See "How to Apply for Need-Based Financial Aid.")

How to Apply for Financial Aid

Note: The filing dates listed below will help you meet our priority deadline of March 15. Applications will be accepted after these dates, but funding cannot be guaranteed.

- As soon after January 1 as possible, **but before February 15**, complete and submit a Free Application for Federal Student Aid (FAFSA). All students applying for any kind of federal or institutional financial aid (except PLUS loans) must file the FAFSA. Elon's federal Title IV School Code is **002927**.
- If you wish to be considered for all aid programs (not just federal programs), register for the Financial Aid PROFILE service. You should register no later than January 15. CSS will send you a customized PROFILE application. You should complete and submit the application as soon after January 1 as possible, but no later than February 15. Elon's CSS Code is 5183.

- Complete an Elon College 2000-2001 Financial Aid Application. This form may be submitted at any time but, like the forms listed above, it should be submitted before February 15.
- Certain applications may require that Elon College request additional information. Respond to these requests as soon as they are made.
- Notify Elon's Office of Financial Planning of any scholarships, grants, loans or other assistance you will be receiving from any source other than Elon College. Such notification is required by federal regulation as well as institutional policy and failure to do so may affect previously made financial aid offers.

64

Need-based Financial Aid Application Process for continuing Students

Students must reapply for financial aid each academic year. Continuing students currently receiving financial aid will be sent a renewal financial aid packet sometime during late fall. The packet will contain those forms necessary to apply for aid for the following academic year. Specific instructions will be included as to how and when to complete the application process.

Payment Options

VISA/MasterCard/Discover

Elon College accepts these charge cards for payment of tuition and fees.

Ten-Month Payment Plan

Charges for the entire academic year, minus financial aid, are divided by 10 for monthly payments from June 1 through March 1. This plan is administered by a third party.

Endowed Scholarships

The following scholarships are awarded to students who have completed the application procedures described for need-based aid. Awards are made by the Office of Admissions and Financial Planning according to the guidelines of the individual scholarships.

- Alamance Caswell County Medical Auxiliary Scholarship
- Edward M. Albright Memorial Fund
- Simeon Lee Allen Scholarship
- Ann Lentz Ameen '70 General Electric Scholarship Fund
- Nina and Dickie Andrews Scholarship
- Anonymous Endowed Scholarship
- The Rev. J. Frank Apple Memorial Scholarship
- Arendell-Ellington Endowed Presidential Scholarship
- Malvin N. and Jeannie L. Artley Scholarship Fund for Orchestral Strings Students
- Asheville-Charlotte A. Hebard Scholarship
- J. O. Atkinson Memorial Scholarship
- Barrett-Harward Scholarship
- Mrs. Louise T. Barringer Scholarship
- Thomas L. and Kitty Rook Bass Scholarship
- Walter H. Bass III and Barbara Day Bass Scholarship
- Robert C. Baxter Scholarship
- A. Vance Beck, Sr. and Gwendolyn D. Beck Scholarship

- Robert Charles Beisinger Scholarship
- Fitzgerald-Board Scholarship
- Representative Fred Bowman Scholarship
- Barry A. and Martha F. Bradberry Endowed Scholarship
- Jennie Willis Atkinson Bradford Scholarship
- Brannock Scholarship
- Ned F. Brannock Scholarship
- Dr. and Mrs. R. E. Brittle Scholarship
- Wesley G. Brogan Honorary Scholarship
- Trudie K. Bueschel Christian Education Scholarship
- Burlington Business and Professional Women's Club Scholarship
- Burlington Handbags Scholarship
- William E. "Buster" Butler, Jr. and Mary Griffin Butler Scholarship
- Byrd Scholarship
- Caddell Memorial Scholarship
- John L. Cameron Scholarship
- The Pauline Nina Taylor Cammack Memorial Scholarship
- Isabella Walton Cannon Scholarship Endowment Fund
- J. Albert "Al" Carpenter Scholarship Fund
- The Dr. George L. Carrington Scholarship
- Fanny Pearle Castor and Frank Stevens Castor Endowment Fund
- Caswell-Alamance Scholarship
- Philip Vance Cates Memorial Scholarship
- The Z. Vance, Eva Mangum and Philip Vance Cates Scholarship
- Wallace L. Chandler Scholarship
- Frederica Olsson and Constant Woodman Chase, Jr. Scholarship
- Cheek Scholarship
- Class of 1925 Scholarship
- Class of 1930 Scholarship
- Class of 1940 Scholarship

- Class of 1941 Scholarship
- George D. and Sue Watts Colclough Scholarship
- Carl and Betty Coley Scholarship
- Albert Coltrain Endowed Scholarship
- Community Congregational Church, Southern Pines, NC, Scholarship
- Alyse Smith Cooper Music Scholarship
- Janie E. Council Scholarship
- Billy Crocker Jazz Scholarship
- Alan Wheeler Crosby Memorial Scholarship
- Verona Daniels Danieley Scholarship
- T. B. Dawson Scholarship
- Dewey and Alfred Dofflemeyer Scholarship
- William H. and Kathryn M. Duncan Scholarship
- W. Clifton Elder Scholarship
- Ellington Scholarship
- Elon College Community Church Scholarship
- First Christian Church, Portsmouth, Va. Memorial Scholarship
- Clyde Lee and Bertie S. Fields Memorial Scholarship
- Shannon Marie Fields '84 Memorial Endowed Scholarship
- First Union Bank Scholarship
- A. J. Fletcher Music Scholarship
- H. Terry and Nonnie B. Floyd Scholarship
- Lacy R. Fogleman Scholarship of St. Mark's Reformed Church
- Lacy R. Fogleman, Jr. and Laura Ann Fogleman Music Scholarship
- Rudy M. and Frances Turner Fonville Scholarship
- Franklin Congregational Christian Church Scholarship
- The Charles A. Frueauff Foundation Scholarship

- E. E. Funderburk, Jr. MD Scholarship
- Allen Erwin Gant Scholarship
- The John L. Georgeo Scholarship
- Doris L. and Emery K. Gilliam Educational Scholarship Fund
- Glaxo Women in Science Scholars Endowment
- Glen Raven Mills Educational Award
- The Mills E. and Katherine B. Godwin Scholarship
- Sallie Boren Goley Endowed Presidential Scholarship
- Judge Eugene A. Gordon Scholarship
- John S. Graves Scholarship
- Eugene B. and Jo McAdams Grimley Scholarship
- Griswold-Watts Scholarship
- Mable M. Haith Scholarship
- Jewell Presnell and Carl C. Hall Memorial Scholarship
- Robert Kelley and Pearle J. Hancock Scholarship
- Dr. Howard S. Hardcastle Memorial Scholarship
- Richard Carlisle Haworth Mathematics Scholarship
- Ollie Clemmons Hedrick and Leah Margaret Tickel Hedrick Scholarship
- Edward Everett Holland Scholarship
- Howard Braxton Holmes Memorial Fund
- Vitus Reid Holt Scholarship
- A. L. Hook Scholarship
- Dewey G. Hooper Scholarship
- Bernice and Doris Horne Scholarship
- Kenneth K. and Lucy Caddell Hughes Scholarship
- Alfred W. and Ruth L. Hurst Memorial Scholarship
- William Pressley Ingram Scholarship
- Edward, Rena Maude, and Allen Iseley Scholarship
- Randolph I. Isley, Sr. Scholarship
- Archie and Adelaide Israel Scholarship
- Laura and Nelson Jackson Scholarship
- Mr. and Mrs. Burney Jennings Scholarship
- Dr. I. W. Johnson Scholarship
- Ada Smith Johnston Scholarship
- Charles D. Johnston Scholarship
- Effie Wicker Johnston Music Scholarship
- The Benjamin Grover Johnston Award – Martha & Spencer Love School of Business
- Rebecca Johnston Music Scholarship
- Virginia Somers Jones Scholarship
- John M. Jordan Scholarship
- The Kappa Sigma Alumni Scholarship
- Virginia Beale Kernodle Scholarship
- Neill L. Key Scholarship
- Lucian and Lelia King Scholarship
- Sherri Sparrow King Scholarship
- Ralph F. and Florance Kirkpatrick Scholarship
- William A. Klopman, Jr. Memorial Scholarship
- Mildred Godwin Knight Endowed Scholarship
- Tami and Ernest Koury Scholarship
- Hosea D. and Minnie Trollinger Lambeth Scholarship
- Mittie C. Landi '96 Endowed Scholarship
- The Lester Scholarship
- Edward W. W. Lewis Scholarship
- Max Lieberman Scholarship
- Asa Liggett Lincoln Scholarship
- Jack R. and Dorothy C. Lindley Scholarship
- The Luther Alexander Lineberger, Jr. Scholarship
- Lohr-Myers Music Theatre Scholarship
- Claude V. and Alva Lee Currin Long Scholarship

- Wilkes Estes Lowe, Jr. Scholarship
- Zebulon and Alma Lynch Scholarship
- Lynnhaven Colony Congregational Church (UCC) Scholarship
- Sue Boddie Macon Memorial Fund
- Winona Morris Madren Scholarship
- W. L. and Beulah McNeill Maness Scholarship
- William Raymond Massey Scholarship
- J. Mark and Kate Strader McAdams Scholarship
- John Z. and Mildred W. McBrayer Scholarship
- Aubrey Wilson and Rubye Wray McBride Scholarship
- John A. and Iris McEwen McCrary Scholarship
- Calvert C. and Margaret H. McGregor Scholarship
- Robert Rodgers Miskelly Memorial Scholarship
- The James A. and Jane Belk Moncure Scholarship
- Mr. and Mrs. B. A. Moser Scholarship
- Niagara Church Scholarship
- Francis Asbury Palmer Scholarship
- Kyung-Whan K. Park Scholarship
- Annie Ruth Webb Parker Scholarship
- Mable Somers Peeler Scholarship
- The Vivian Wrenn Pell Scholarship
- Edward T. and Nan P. Perkins Endowed Scholarship
- Wayne H. and Mabel B. Perrine Memorial Scholarship
- The Donald W. and Shirley M. Perry Scholarship
- Paul C. and Margaret S. Plybon Scholarship
- Rex and Ina Mae Powell Scholarship
- O. D. Poythress Scholarship
- The Rev. Lacy M. Presnell Memorial Scholarship

- Presser Scholarship
- Pridgen-Wright-Jones Memorial Scholarship
- Priestley Journalism Scholarship
- Emmett H. and Katherine R. Rawles Scholarship
- Japheth E. Rawls, Jr. and Virginia R. Rawls Endowment Fund
- Reddish-Morgan Biology Scholarship
- David L. Rice Memorial Scholarship
- Mary Louise and Grady C. Rich Endowed Scholarship
- Howard R. and Virginia E. Richardson Scholarship
- Richmond Alumni Chapter Scholarship
- Paul H. Ridge Scholarship
- Helen B. Rippy Art Scholarship
- Bessie Holmes and George B. Robbins Scholarship
- Arthur H. and Trudy B. Rogers Scholarship
- Viola V. and Amos Thornton Rollings Scholarship
- The Royster Scholarship Fund
- Albert Oscar and Mary Susan Rudd Scholarship
- William Lee and Ruth Crosby Rudd Scholarship and Loan Fund
- Sanders-Myers Memorial Scholarship
- Renold O. Schilke Trumpet Scholarship
- The Zondal Myers Sechrest Scholarship
- John Duncan Shaw Scholarship
- Nancy Gordon Sheffield Scholarship
- Dr. Charles E. Shelton Memorial Scholarship
- Grace D. Shepherd Endowed Music Scholarship
- John L. Sills, Jr. Scholarship
- W. W. and Bessie Pickett Sloan Scholarship
- Smith-Midgett Scholarship for International Study/Travel

- Charles David Smith Endowed Scholarship
- J. Harold Smith Scholarship
- Oscar F. Smith Memorial Foundation Scholarship
- Annie Ross Somers Scholarship
- John and Helene Sparks Scholarship
- Stadler's Country Hams, Inc. Scholarship
- William Wesley Staley Scholarship
- Mary Frances Stamey Memorial Scholarship
- Sigmund Sternberger Scholarships
- Alda June Jones Stevens Memorial Scholarship
- Sara Forlines Steverson Scholarship
- J.R. and Mary Simmons Stogsdill Scholarship
- Elwood E. Stone, Sr. Scholarship
- Lucile C. Stone Scholarship
- William H. and Marguerite R. Stratford Scholarship
- Theo Strum Scholarship
- St. Mark's Reformed Church Scholarship
- Suffolk Christian Church Scholarship
- Algernon Sydney Sullivan Foundation Endowed Scholarship Fund
- Algernon Sydney Sullivan and Mary Mildred Sullivan Scholarships
- Sullivan-Winn Scholarship
- Tessie Z. Taylor Memorial Scholarship
- Times-News Publishing Company, Inc. Scholarship
- Troxler-Watterson Endowed History Scholarship
- Ashton P. and Vera R. Truitt Endowed Scholarship
- Wallace Lincoln Tuck Scholarship
- Arline Lindsay Tweed Scholarship
- Union United Church of Christ Scholarship
- C. James Velie Memorial Music Scholarship
- Elizabeth B. Vernon Scholarship
- Thyra Wright Vestal Scholarship
- Robert R. Wagner Memorial Scholarship
- Wake Chapel Scholarship
- Catherine N. Walker Scholarship
- Cynthia Nicole Ward Education Endowment
- The Sam Ward Scholarship
- Judge Thurman Warren and Allie Brower Warren Scholarship
- Dudley Ray Watson Memorial Scholarship
- L.V. and L. B. Watson Scholarship
- Watterson-Troxler History Scholarship
- Watts Scholarship in Biology
- Linda Thompson Weavil Endowed Scholarship
- Al and Ruby West Scholarship
- The Floyd E. West Scholarship
- Katharine duPont Weymouth Scholarship Fund Social Science Scholars Program
- Colonel Henry E. White Scholarship
- Margaret Delilah Bobbitt White Scholarship
- Nellie Glenn White Scholarship
- Steven C. and Christopher R. Whittington Scholarship Fund
- Jeanne Freeman Williams Scholarship
- William Leaford Williams, Jr. and Jo Watts Williams Scholarship
- Minnie Johnston Wilson Scholarship
- James R. and Nina B. Young Endowment Fund
- John F. Youngblood Scholarship
- Youth Friends Scholarship

Leaders for the Twenty-First Century Scholarships

The following endowed scholarships, which are provided through the generosity of private donors, are awarded to the students who meet the criteria for the North Carolina Teaching, Honors and Leadership Fellows.

- Frederick Wharton Beazley Scholarship
- BellSouth Scholarship
- Carol Grotnes Belk Endowment
- Brannon-Sugg Scholarship
- Class of 1938 Centennial Scholarship
- J. E. Danieley Scholarship
- Thad Eure Scholarship
- Mary Ruth and Archibale F. Fleming, Jr. Scholarship
- Gerald L. Francis Scholarship
- The Frederick K. Gilliam, Sr. Scholarship
- Don S. and Margaret M. Holt Scholarship
- Margaret Plonk and S. Carlisle Isley Scholarship
- Juanita Wheeler Keeton Scholarship
- Esther Cole and John Robert Kernodle Endowment
- Luther A. and Georgia V. Lineberger Memorial Scholarship
- C. Almon "Mon" McIver Centennial Scholarship
- Virginia Green Miles, W. Bennett Miles, and Ellen Miles Dumville Memorial Fund
- Hurley D. Rogers Memorial Scholarship
- Bertha Paschall Shipp Scholarship
- Thomas R. "Bud" and Doris Ward Stadler Scholarship
- Stadler's Country Hams, Inc. Scholarship

69

Presidential Scholarships

Elon's past presidents are honored with Presidential Scholarships which are awarded to freshmen.

- William S. Long, founder and first president, 1889-94
- William Wesley Staley, 1894-1905
- Emmett Leonidas Moffitt, 1905-11
- William Allen Harper, 1911-31
- Leon Edgar Smith, 1931-57
- James Earl Danieley, 1957-73

Endowed Athletics Scholarships

Endowments for grants-in-aid in athletics are administered through the Department of Athletics in accordance with NCAA, Conference and institutional guidelines. These endowments are made possible through the generosity of private donors.

- A. Frank Andrews Golf Scholarship
- Kimberly Ann Barkman Memorial Scholarship
- R. H. Barringer Distribution Co., Inc. Tennis Endowment
- Rufus T. Blanchard Baseball Scholarship
- Gene Clate Brewer Football Scholarship
- C.V. "Lefty" Briggs Athletic Scholarship
- Luther Byrd Scholarship
- The Comer Golf Scholarship

- Dwight L. Dillon Athletic Scholarship
- Bob Dunlap Football Scholarship
- I.L. "Ike" Fesmire Basketball Scholarship • John L. Frye Football Scholarship
- James E. "Jim" Hair Golf Scholarship
- Greg Harris-Richard Such Baseball Scholarship
- Hill-York Football Scholarship
- Chester Huey Scholarship
- Clyde Johnston Golf Scholarship
- Graham "Doc" Mathis Athletic Scholarship
- Florence and L. G. Matkins Scholarship
- William R. "Bill" Miller Basketball Scholarship
- L. J. "Hap" Perry Athletic Scholarship
- Rhodes-Ford Sports Medicine Award
- Tom Sawyer-Huck Finn Tennis Scholarship
- James C. Scott Golf Scholarship
- William Brown "Bill" Terrell Scholarship
- Jerry Tolley Football Scholarship
- Sid Varney Scholarship
- D. C. "Peahead" Walker Scholarship
- Clyde T. and Esther Ward Golf Scholarship
- Max Ward Golf Scholarship
- Rachel and Bethany Ward Scholarship
- Mr. and Mrs. W. Hunt Ward Golf Scholarship
- Charles Lewis Wilburn and Verna Wilburn Lee Basketball Scholarship
- S. S. "Red" Wilson Football Scholarship
- C. Carl Woods Athletic Scholarship

Endowment and Sources of Income

The income from tuition and fees constitutes only a part of the income of the college. Other sources of income include the annual gifts from the churches of the Southern Conference of the United Church of Christ; a share of the contributions received by the Independent College of North Carolina; earnings from the permanent endowment funds of the college; and the contributions of individuals, foundations, businesses and industries.

In addition to the general endowment funds of the college, special endowment funds have been established for specific purposes.

- John W. Barney Memorial Award
- Biomedical Reference Laboratory Program
- Boone Memorial Fund
- James H. R. Booth Fund
- Kathleen Price and Joseph M. Bryan Family Foundation Endowment for Faculty Development
- Isabella Cannon Leadership Program Endowment Fund
- Philip L. Carret Endowed Fund for the Jefferson Prize
- George R. Chandler Endowment Fund
- Thomas W. and Mary Watson Chandler Endowment Fund
- Civil War Collection Endowment Fund
- The Daniels-Danieley Award
- Dwight Merrimon Davidson Endowment Fund
- Elbert and Esther Fertig DeCoursey Fund
- Milton A. and Naomi F. Dofflemeyer Fund
- James P. Elder Jr. Lectureship
- Elon College Community Orchestra Endowment Fund
- George Joseph Fertig Fund

- A. J. Fletcher Professorship in Communications
- D. R. Fonville Sr. Fund
- Ford Foundation Grant
- Ella V. Gray Memorial Fund
- George W. Harden Trust
- The G. Thomas Holmes and Gladys Wright Holmes Endowment for Chemistry
- Jackson Fund
- Sidney F. Jackson and Kathleen E. Jackson Lectureship
- The Jefferson-Pilot Distinguished Professorship
- The Benjamin Grover Johnston Award
- J. L. Kernodle Foundation
- John T. Kernodle Memorial Fund
- Peter Jefferson Kernodle and Louise Nurney Kernodle Memorial Fund
- Virginia Beale Kernodle Memorial Fund
- Kresge Science Equipment Fund
- R. Cruse Lewis MASTER POOLS Guild/Love School of Business Endowed Fund
- Literature, Languages and Communications Endowment
- Marjorie L. Long Lecture Series
- The Martha and Spencer Love School of Business Fund
- Iris Holt McEwen Community Service Award
- The James H. McEwen Jr. Endowment Fund
- Sarah M. Moize Endowment Fund
- Mulholland Library Endowment Fund
- NCNB Corporation Endowment for Field Studies
- The Rex and Ina Mae Powell Lecture Series
- Sophia Maude Sharpe Powell Professorship
- The Thomas Edward Powell Jr. Professorship of Biology
- The Religion Scholar Award
- Ferris E. Reynolds Lectureship
- George Shackley Award
- Ella Brunk Smith Award
- Spence Endowment Fund
- Stokes Endowment
- William J. Story Sr. Professorship
- Martha Cline Swanson Endowed Research Fund
- James T. Toney Endowment Fund
- L.L. Vaughan Chemistry Fund
- Drusilla Dofflemeyer Voorhees Fund
- Wachovia Fund for Excellence
- Watts/Thompson Endowed Chair
- The Walter and Dorothy Westafer Fund for the Fine Arts
- Milton G. Wicker Endowment Fund



General Academic Regulations

73

Registration and Courses

Classification

Classifications are made at the beginning of the college year in August.

- Freshman
1-29 semester hours completed
- Sophomore
30-61 semester hours completed
- Junior
62-95 semester hours completed
- Senior
96 or more semester hours completed

Course Load

Sixteen hours of college work per semester is considered the normal student load. Students who are on academic probation are limited to a maximum load of 12 semester hours in fall and spring semesters.

During the one-month winter term, four hours of college work is the normal load for all students.

Maximum load for any one semester is as follows:

- Fall and Spring Semesters, 18 semester hours
- Winter Term, 4 semester hours
- Summer Term, 8 semester hours

Any exception to this policy is the responsibility of the Provost/Vice President for Academic Affairs.

Course Registration

Students are expected to register for themselves on the designated days in August, January and February. Registration information is available to all students. Registration includes academic advising, selection of courses and payment of fees. Before preregistration or registration, each student should consult with his/her academic advisor on course selection, General Studies requirements, major requirements and other degree requirements. However, it is the responsibility of the student, not the academic advisor, to ensure that all college graduation requirements are met.

74

Registration is for an entire course, and a student who begins a course must complete it except in unusual circumstances. Unless the student and his/her advisor consider it essential, a student should not change his/her schedule after registration.

Auditing Courses

Persons wishing to attend certain courses regularly without doing the assigned preparation or receiving credit may do so with the approval of the Registrar. The cost is \$125 for each course.

Changes in Class and Schedule

The college reserves the right to cancel or discontinue any course because of small enrollment or for other reasons deemed necessary. In order to assure quality instruction, the college reserves the right to close registration when the maximum enrollment has been reached. The college reserves the right to make changes in schedule and/or faculty when necessary.

Credit by Examination (Course Challenge)

A student may receive credit for a course not taken by demonstrating mastery of its subject matter. To challenge a course, a student must have the approval of the appropriate academic dean, the chair of the department in which the course is offered and the professor who will test the student's mastery of the subject matter. Whenever possible, the student should consult the professor far enough in advance of the term in which the examination will be taken to determine course requirements and standards and to begin to make independent preparations. However, the student should expect no assistance from the professor other than being informed of the material to be covered on the examination. Under no circumstances shall a student be allowed to attend classes of the course being challenged. The cost for each examination is \$275.

Dropping Courses

A student may officially drop any class with a "W" (withdraw without penalty) through half of the term — this includes the week of examinations. The withdrawal period applies to the regular semesters, classes taught for one half semester, winter term and the summer sessions. After that date no class may be dropped. Any exception to this policy is the responsibility of the appropriate Academic Dean's office.

A student who withdraws from the college for any reason (except for a medical

reason) receives grades of “W” if the withdrawal is before the designated half-term time period. After this time a student will receive a “W” or “F” depending on his/her grades at the time of withdrawal. A student who withdraws from the college with a medical withdrawal will receive a “WD.”

Independent Study

Students may engage in independent study of catalog courses and special topics. Independent Study is limited to Elon’s honors students, juniors and seniors except by special permission. A course may not be repeated by Independent Study. Details concerning the procedure for developing an Independent Study proposal may be obtained in the Registrar’s Office.

75

Undergraduate Research

Undergraduate Research is an effort to discover something new, or to look at something from a new perspective. Students may earn academic credit for research undertaken with a faculty mentor. Research projects must include a review of the relevant research literature, research design, and significant participation in the actual conduct of the research, including analysis and interpretation. A written report is considered essential, a copy of which should be made available in the department office. Undergraduate research credit can be obtained by registering for a course numbered 499 and is limited to students with sophomore, junior or senior standing and a minimum GPA of 2.5. A limit of 8 credit hours of undergraduate research can be applied toward graduation.

Overload

A student whose cumulative GPA is less than 3.0 may not register for overload hours in any term. See page 73 on course load.

Pass/Fail Elective Courses

A student may take two one-semester courses outside the major, minor and General Studies requirements on a pass/fail basis. Study abroad courses may not be taken on a pass/fail basis. The pass/fail option encourages students to enrich their educational experience in subjects outside their major/minor fields and General Studies requirements in which they may feel unable to maintain a desirable grade point average. The decision to take a course pass/fail must be made at registration before the first class period.

Repeat Courses

Courses repeated within four semesters of attendance (excluding winter and summer sessions) following the first enrollment in the course count only once in computing the cumulative grade point average. In such cases the most recent grade is counted rather than any previous grade(s) received. However, a course repeated more than once will count in the cumulative grade point average each time it is repeated. A course in which an “F” was received due to a violation of the Academic Honor Code may be repeated; however, the original grade will count in the cumulative grade point average. (Students receiving Veterans’ benefits should consult the V.A. representative.)

Elon College Academic Honor Code

All students at Elon College pledge to uphold the Academic Honor Code which recognizes self responsibility as a critical element in avoiding behaviors such as cheating, lying, plagiarizing, stealing and assisting other students in these violations. The current Student Handbook outlines violations, sanctions and hearing procedures in detail.

Attendance

76

Since students must attend classes regularly in order to derive maximum benefit from their courses, the college strictly and fairly enforces policies governing classes, and students are responsible for knowing attendance regulations. Each department establishes its own attendance policy. If unwarranted absences occur, the Provost/Vice President for Academic Affairs may suspend the student from the class or from the college.

Absence From Tests and Examinations

Students who miss scheduled tests and examinations without excusable reasons may not make up such assignments. Authorization to make up tests missed for excusable reasons is obtained from the professor of the class. Final exam scheduled dates and times should not be changed for individual students or classes without prior approval from the appropriate Academic Dean. Permission to make up missed exams must be secured from the Academic Dean. This permission is ordinarily not given except on the basis of a medical statement.

Grades and Reports

Grading System and Quality Points

Graduation is dependent upon quality as well as upon quantity of work done.

A student earns quality points as well as semester hours if his/her level of performance does not fall below that of a "D-."

Letter grades are used. They are interpreted in the table below, with the quality points for each hour of credit shown at right.

<u>Grade</u>	<u>Quality Points</u>
A	4.0
A-	3.7
B+	3.3
B	3.0
B-	2.7
C+	2.3
C	2.0
C-	1.7
D+	1.3
D	1.0

D-	0.7
F	0.0
I Incomplete	0.0
P Passing (not counted in cumulative average)	0.0
S Satisfactory (not counted in cumulative average)	0.0
U Unsatisfactory (counted in cumulative average)	0.0
WD Medical withdrawal	0.0
W Withdrawal	0.0
NR No Report	0.0

A grade in the "A" range indicates distinguished performance in a course.

A grade in the "B" range indicates an above-average performance in class.

A grade in the "C" range indicates an average performance in which a basic understanding of the subject has been demonstrated.

A grade in the "D" range indicates a passing performance despite some deficiencies.

A grade of "F" indicates failure.

Grades of "A" through "F" are permanent grades and may not be changed except in case of error. After an instructor has certified a grade to the Registrar, he/she may change it before the end of the next regular grading period. The change must be made in writing and have the written approval of the department chair.

An "I" grade signifies incomplete work because of illness, emergency, extreme hardship or self-paced courses. An "I" grade is normally not given when a student has missed more than 30% of the class work. It is not given for a student missing the final examination unless excused by the appropriate Academic Dean upon communication from the student. The student receiving a grade of "I" completes all work no later than nine class days after mid-semester grades are due during the following semester. A final grade is submitted to the Registrar by the instructor the following Monday. After this date the "I" grade automatically changes to "F" unless an extension is granted by the Provost/Vice President for Academic Affairs.

Grade Point Average (GPA)

The grade point average is computed by dividing the total quality points on work attempted at Elon College by the number of hours attempted except for courses with grades of "P," "S," "WD," or "W."

Grade Reports

Students are graded at mid-semester as well as at the end of each semester. Mid-semester grades serve as progress reports and are not entered on students' permanent records.

President's and Dean's Lists

The Dean's List recognizes and encourages excellence in academic work. A student who has no grade below a "B-" and a grade point average of at least 3.4 in a minimum of 12 semester hours in any semester is placed on the Dean's List for the following semester. Those students who have no grade below an "A-" in a minimum of 12 semester hours in any semester are placed on the President's List. Classes passed on a Pass/Fail basis or classes with grades of "S," "WD" or "W" are not included in Dean's List or President's List eligibility.

78

Graduation With Honors

Students completing at least 66 credit hours at Elon College may be graduated with honors. Candidates for graduation with an average of 3.9 or above are graduated summa cum laude; those with 3.7 or above, magna cum laude; and those with 3.4 or above, cum laude. In computing eligibility for honors, only work attempted at Elon College will be used.

Elon College provides a comprehensive Honors Program for all students of all majors. Emphasis is placed on honors courses, special academic advising, preparation for graduate school and special activities. Honors Program students who complete a minimum of 25 hours of honors experience and maintain a cumulative GPA of 3.2 will receive "Honors Fellow" recognition at graduation.

Access to Student Educational Records

Elon College complies with the Family Educational Rights and Privacy Act of 1974. This Act protects the privacy of educational records, establishes the right of students to inspect and review their educational records and provides guidelines for the correction of inaccurate or misleading data through informal and formal hearings. Students also have the right to file complaints with the Family Educational Rights and Privacy Act Office (FERPA) concerning alleged failures by the institution to comply with the Act.

Questions concerning the Family Educational Rights and Privacy Act may be referred to the Office of the Registrar.

Transcripts of Student Records

Requests for copies of a student's record should be made to the Office of the Registrar. All transcripts reflect the student's complete academic record. No transcripts are issued without the written authorization of the student. No transcript is issued for a student who has a financial obligation to the college.

Work at Other Institutions

Students who plan to take courses at other institutions must have the prior written permission of the Registrar. Currently enrolled students must have a minimum 2.0 GPA in order to transfer course credit from another institution to Elon College. After completion of such courses, the student presents an official transcript of his/her record to the Registrar.

Academic Standards and Withdrawal

Academic Standing

Academic standing is determined by the earned grade point average for any one semester of attendance and for cumulative work. A student whose cumulative grade point average falls below 2.0 is reviewed by the Academic Standing Committee and placed on academic probation or academic suspension.

Probation

Students are notified that their grade point average is below 2.0, that they are limited to a maximum load of 12 semester hours, and that three consecutive semesters on probation will result in suspension.

79

Suspension

Students are separated from Elon College and one academic semester must elapse before they are eligible for readmission. While suspended, students may not take classes at other institutions and transfer them to Elon College.

In order to continue at the college a student must earn a minimum grade point average each semester of 1.0 and at the end of spring semester have:

- Freshman: 1-29 semester hours completed, 1.70 grade point average
- Sophomore: 30-61 semester hours completed, 1.80 grade point average
- Junior: 62-95 semester hours completed, 1.90 grade point average
- Senior: 96 semester hours completed, 2.0 grade point average

Any student failing to meet these guidelines will be academically ineligible for the next semester and suspended from the college. During the suspension period which includes fall or spring semester, the student may apply for readmission and, if readmitted, will be placed on academic probation. A student who is suspended a second time for academic reasons is normally not readmitted to the college.

Dismissal

The college reserves the right to suspend or dismiss any student(s) when it believes that such action is in the best interest of the institution and/or the student(s). This action will take place only after careful consideration with the student(s) in question and all other parties with information pertinent to the matter at hand.

Withdrawal

If for any reason a student concludes that he/she must leave the college on a temporary or long-term basis, he/she must confer with the Office of Student Life to formalize plans. Faculty will be requested to report student progress in class at the time of withdrawal by indicating either a "W" or "F" grade. A student withdrawing with medical reasons will receive grades of "WD." The official record of the student cannot be cleared until the withdrawal is complete.



Degree Requirements

81

Degrees and Major Fields

Bachelor of Arts (A.B.)

Art	Independent Major
Biology	International Studies
Chemistry	Journalism
Chemistry/Chemical Engineering	Mathematics
Communications (Broadcast, Corporate and Film)	Music
Computer Science	Music Performance
Computer Science/Engineering	Philosophy
Economics	Physics
Education	Political Science
Elementary (K-6)	Psychology
Middle Grades (6-9)	Public Administration
Secondary Certification (9-12)	Religious Studies
Special Education/LD (K-12)	Science Education
English	Social Science Education
French	Sociology
History	Spanish
Human Services	Theatre Arts

Bachelor of Fine Arts (B.F.A.)

Music Theatre

Bachelor of Science (B.S.)

Accounting	Environmental Studies
Biology	Health Education
Business Administration (Management, Finance, Marketing, International Management and Management Information Systems)	Leisure/Sport Management
Chemistry	Mathematics
Engineering Mathematics	Medical Technology
Engineering Physics	Music Education
	Physical Education
	Physics
	Sports Medicine

For graduate programs see pages 247-254 and/or the Graduate Catalog.

Bachelor's Degree Requirements

Elon College offers an academic program consisting of a minimum of 132 semester hours of credit for the bachelor's degree. The degree consists of a major field of concentration in the liberal arts or in a professional or preprofessional area, a General Studies program and elective courses. To earn a baccalaureate degree the student completes the academic program below:

1. Satisfactory work in one major subject
2. Completion of General Studies as follows:

a. First-Year Core

(1) General Studies 110 The Global Experience.....	4
(2) General Studies/English 110.....	4
(3) General Studies/Mathematics (MTH 110 or higher)	4
(4) General Studies/HED 110 Wellness	3

b. Experiential Learning (one unit)

c. Liberal Studies

(1) Expression	8
Eight hours chosen from at least two of the following: literature (in English or foreign languages), philosophy and fine arts (art, dance, fine arts, music, music theatre and theatre arts). At least one course must be literature.	
(2) Civilization.....	8
Eight hours chosen from at least two of the following: history, foreign languages and religion. Or eight hours chosen from foreign languages.	
(3) Society	8
Eight hours chosen from at least two of the following: economics, geography, political science, psychology and sociology	
(4) Science/Analysis.....	8
Eight hours chosen from one or more of the following: mathematics, computer science (must have the CSC department designation) and science. At least one course must be a physical or biological laboratory science.	

d. Advanced Studies

Eight hours of Advanced level* courses outside the major field chosen from at least two of the four areas listed under Liberal Studies (8 sh)

One General Studies Interdisciplinary Seminar (4 sh)

Total hours59

* Advanced level courses consist of courses numbered at the 300-400 level and certain 200 level courses that have been approved by the General Studies Council. Such courses would be marked in the schedule books for each semester and in the academic catalog.

3. Electives

4. Satisfactory completion of General Studies competency assessments in the freshman and sophomore years

5. Satisfactory completion of a comprehensive evaluation in the major field of study
6. A minimum of 36 semester hours of junior/senior level work
7. One full academic year of study at Elon (33 semester hours or more), including the last term before graduation
8. Twice as many quality points as credit hours attempted must be earned
9. Participation in commencement exercises

Students must demonstrate competence in English and Mathematics or successfully complete English 100 and Mathematics 100 before beginning English 110 and the mathematics requirement in the First-Year Core.

83

Students who have not passed Algebra II should make up this deficiency by taking Mathematics 100 during the freshman year.

Students who have not had two years of one foreign language in secondary school must make up this deficiency by taking a first level 110 foreign language course. Courses taken to remove this deficiency will not satisfy the General Studies requirements.

A maximum of 16 semester hours of internship/cooperative education credit may be applied to the 132 semester hours required for the A.B., B.S. and B.F.A. degrees.

Students must apply for graduation by the dates published by the Registrar.

A student may graduate under the provisions of the catalog published the year of first enrollment, provided the course of study is completed within five years. After the interval of five years, a student's credits will be subject to review by the Provost/Vice President for Academic Affairs.

Students who qualify for more than one major must select the primary major for which they will receive a Bachelor's degree. No student will be awarded two degrees at commencement.

It is the student's responsibility to be familiar with the preceding requirements for graduation.

The Major

A minimum grade point average of 2.0 in the requirements for the major is required for graduation. Bachelor of Arts majors require 32-52 semester hours of credit. Bachelor of Science or Bachelor of Fine Arts majors require 32-68 semester hours of credit. The student may elect to complete more than one major. No later than the beginning of the junior year, each candidate for a Bachelor's degree must select a major field. Requirements for each major are listed with the courses of instruction.

The Minor

A candidate for the Bachelor's degree may elect a field (or fields) of minor concentration, consisting of 16-24 semester hours with a minimum grade point average of 2.0.



Courses

85

The institution is organized into one college and three schools. These include areas of learning arranged as follows:

College of Arts and Sciences: African/African-American Studies, Anthropology, Art, Biology, Chemistry, Classical Studies, Computing Sciences, Cooperative Education, Criminal Justice, Dance, Engineering, English, Environmental Studies, Fine Arts, French, Geography, History, Human Services, International Studies, Mathematics, Medical Technology, Music, Music Theatre, Philosophy, Physics, Political Science, Professional Writing Studies, Psychology, Public Administration, Religious Studies, Sociology, Spanish, Theatre Arts and Women's/Gender Studies.

The School of Communications: Communications and Journalism

The School of Education: Education, Health Education, Leisure/Sport Management, Military Science, Physical Education and Sports Medicine, MPT, M.Ed.

The Martha and Spencer Love School of Business: Accounting and Finance, Business Administration, Economics, MBA

Courses numbered 100-199 are freshman level, 200-299 are sophomore level and 300 and above are junior/senior level.

Accounting and Finance

The Martha and Spencer Love School of Business

Dean of Love School of Business: Professor Burbridge

Chair, Department of Accounting and Finance: Assistant Professor Poulson

Associate Professors: McGregor, Synn

Assistant Professors: Cox, Currie, Gibney

Accounting involves measuring business activities and communicating this information to investors, creditors and other decision makers, who use it to make sound, informed financial decisions. This practice serves to encourage investment activity, which in turn creates jobs and helps the economy to grow.

Elon's program leading to the B.S. in accounting includes the central topics of financial and managerial accounting plus an introduction to taxation, auditing and commercial law. The accounting program prepares the graduate to be a professional accountant in business, government, non-profit and other organizations. This degree can also serve as a basis for graduate study in accounting and other fields, including business administration and law.

Students wishing to obtain certification as a CPA and practice in the field of public accounting must have 150 hours of college credit. Elon College offers additional courses to meet the 150-hour requirement.

A major in Accounting requires the following courses:

86

MTH 116	Applied Mathematics with Calculus	4 sh or
MTH 121	Calculus and Analytic Geometry I	4 sh
CIS 116	Microcomputer Applications	4 sh
ECO 201	Principles of Economics	4 sh
ECO 202	Statistics for Economics and Business	4 sh
BUS 221	Business Law	2 sh
BUS 302	Business Communications	4 sh
BUS 311	Principles of Marketing	4 sh
BUS 323	Principles of Management	4 sh
FIN 343	Managerial Finance	4 sh
BUS 465	Business Policy	4 sh
ACC 201	Principles of Financial Accounting I	4 sh
ACC 202	Principles of Management Accounting	2 sh
ACC 203	Principles of Financial Accounting II	2 sh
ACC 331	Intermediate Accounting I	4 sh
ACC 332	Intermediate Accounting II	4 sh
ACC 336	Cost Accounting	4 sh
ACC 341	Fundamentals of Income Taxation	4 sh
ACC 456	Auditing	4 sh
TOTAL		66 sh

Students planning to meet the 150 semester hour requirement must complete the accounting requirements as listed above and select sufficient additional courses from the following list:

ACC 365	Accounting Applications (Winter Term)	4 sh
ACC 442	Advanced Taxation	4 sh
ACC 451	Advanced Financial Accounting	4 sh
BUS 418	Commercial Law	4 sh
ACC 471	Seminar: Special Topics	4 sh
ACC 481	Internship in Accounting	1-8 sh
ACC 491	Independent Study	1-4 sh
CIS courses above CIS 116		
CSC courses		

A minor in Accounting requires the following courses:

ACC 201	Principles of Financial Accounting I	4 sh
ACC 202	Principles of Management Accounting	2 sh
ACC 203	Principles of Financial Accounting II	2 sh
FIN 343	Managerial Finance	4 sh
Two electives from the following list:		8 sh

Electives:

ACC 331	Intermediate Accounting I
ACC 332	Intermediate Accounting II
ACC 336	Cost Accounting
ACC 341	Fundamentals of Income Taxation
ACC 442	Advanced Taxation
ACC 365	Accounting Applications (Winter Term)
ACC 471	Special Topics

TOTAL

20 sh

87

Accounting Courses

ACC 201. PRINCIPLES OF FINANCIAL ACCOUNTING I

4 sh

In this introduction to the financial reporting process, study emphasizes the accrual basis of accounting. Students learn to prepare and interpret income statements and balance sheets, analyze business transactions and determine the effects of transactions on assets and equities. Offered fall and spring.

ACC 202. PRINCIPLES OF MANAGEMENT ACCOUNTING

2 sh

Students gain an overview of the ways accounting information helps managers as they plan, develop control procedures and make decisions for their organizations. The course also covers the concepts of cost behavior, cost-volume-profit analysis and the preparation of budgets. Prerequisite: ACC 201. Offered fall and spring.

ACC 203. PRINCIPLES OF FINANCIAL ACCOUNTING II

2 sh

This course continues the study of financial reporting and transaction analysis that began in ACC 201 and introduces the student to some of the procedures used by accountants to organize and summarize financial information. Students learn how journals and ledgers are prepared and how the components of an accounting system interrelate to

provide the information needed for the preparation of financial reports. Prerequisite: ACC 201. Offered fall and spring.

ACC 331. INTERMEDIATE ACCOUNTING I

4 sh

Intermediate Accounting begins an in-depth study of generally accepted accounting principles and their theoretical basis. Students explore the contents of and interrelationships among the balance sheet, income statement and statement of cash flows, along with techniques for analyzing and correcting errors. Some of the more important accounting standards of the Financial Accounting Standards Board are included. Prerequisites: ACC 201 and 203. Offered fall and spring.

ACC 332. INTERMEDIATE ACCOUNTING II

4 sh

This continuation of the in-depth study of financial accounting (begun in ACC 331) emphasizes long-term liabilities and stockholder's equity, accounting for leases, pensions and other post-employment benefits and deferred income taxes. Prerequisite: ACC 331. Offered spring.

ACC 336. COST ACCOUNTING

4 sh

In cost accounting, students examine methods for gathering and analyzing production cost data, which managers use to plan,

budget and set prices for their products, with emphasis on the job order costing, process costing and standard costing methods and the interpretation of data produced by each system. Prerequisites: ACC 201 and 202. Offered spring.

ACC 341. FUNDAMENTALS OF INCOME TAXATION 4 sh

This introduction to the structure of the federal income tax system emphasizes the theories, procedures and rationale associated with the taxation of individuals. Prerequisite: ACC 203. Offered fall.

ACC 365. ACCOUNTING APPLICATIONS 4 sh

Topics vary yearly in this study of practical uses of accounting in various business functions. Prerequisite: permission of instructor, may vary with topic. Offered winter.

ACC 442. ADVANCED TAXATION 4 sh

With advanced study of taxation, including the income taxation of corporations, partnerships and estates, students will learn to locate relevant information in regulations, revenue rulings and court cases. They will report their findings in the form of written reports and memoranda. Prerequisite: ACC 341. Offered spring.

ACC 451. ADVANCED FINANCIAL ACCOUNTING 4 sh

Continuing the in-depth study of financial accounting that began in Intermediate Accounting (ACC 331, 332), this course includes accounting for business combinations, with special emphasis on preparing consolidated financial statements for parent and subsidiary corporations. Accounting for governmental units and other not-for-profit organizations is also introduced. Prerequisite: ACC 331 and 332, or ACC 331 and concurrent enrollment in ACC 332. Offered fall.

ACC 456. AUDITING 4 sh

Study of auditing covers both theory and practice, including ethics, generally accepted auditing standards, internal accounting controls, auditors working papers, the components of audit risk, compliance testing and substantive testing. Prerequisite: ACC 331. Offered spring.

ACC 471. SEMINAR: SPECIAL TOPICS 1-4 sh

This upper level seminar, an advanced study requiring active participation by students, consists of readings, problems, reports, discussions of current topics, or preparation for professional examinations. May be conducted by departmental faculty or other resource persons. Prerequisite: permission of instructor, may vary with topic.

ACC 481. INTERNSHIP IN ACCOUNTING 1-8 sh

An internship offers the student valuable experience in the field of accounting. Appropriate placement must be arranged by the student with the help and support of the faculty and other appropriate resources.

ACC 491. INDEPENDENT STUDY 1-4 sh

ACC 499. RESEARCH 1-4 sh

Students can engage in an undergraduate research study in collaboration with a faculty sponsor.

Finance Courses

FIN 343. MANAGERIAL FINANCE 4 sh

The study of corporate managerial functions from the finance perspective covers the principle elements of financial management, including financial analysis and control, working capital administration, capital budgeting, valuation theory, capital structure and leverage, and debt and equity instruments. Prerequisites: ACC 201, ECO 201, 202 and CIS 116. Offered fall and spring.

FIN 413. ADVANCED MANAGERIAL FINANCE 4 sh

The in-depth study of financial management from the perspective of valuate theory involves discussions of topics such as security evaluation and capital budgeting within the framework of the Capital Asset Pricing Model. Study relates cost of capital, capital structure and leverage to valuation concepts. Examination of long-term financing includes studies of leasing as well as warrants, convertibles and options. Valuation impacts of mergers and reorganizations are also covered. Prerequisite: FIN 343.

**FIN 416. FUNDAMENTALS
OF INSURANCE**

4 sh

This course provides a study of the basic principles of insurance contracts and the scope of coverage under the several divisions of insurance, including life, fire, casualty, marine, bond and automobile insurance. Prerequisite: FIN 343.

FIN 421. INVESTMENT PRINCIPLES

4 sh

Study centers on managing investment funds according to a predetermined goal, emphasizing safety, income and marketability, diversification and vigilance, and analysis of company management and industry trends to determine the value of securities. Prerequisite: FIN 343. Offered fall.

**FIN 445. SECURITY ANALYSIS AND
PORTFOLIO MANAGEMENT**

4 sh

This course teaches the application of tools and techniques for appraising the economy, specific industries and companies, emphasizing securities markets from the perspectives of institutional portfolio managers or personal investors. Prerequisite: FIN 343.

**FIN 471. SEMINAR:
SPECIAL TOPICS**

1-4 sh

This upper level seminar, an advanced study requiring active participation by students, consists of readings, problems, reports, discussions of current topics, or preparation for professional examinations. May be conducted by departmental faculty or other resource persons. Prerequisite: permission of instructor, may vary with topic.

89

African/African-American Studies

Coordinator: Associate Professor Boyd

African/African-American Studies takes an interdisciplinary approach to study two cultures and connect the past with the present. The program, developed in 1994, allows the student to select from a current group of courses approved by an advisory group. Through connected study the student not only takes a fresh approach to learning but also develops an individualized study plan.

This program is highly recommended for those persons in education and programs leading to multi-cultural relations. The minor consists of a minimum of 20 credit hours including a capstone course.

A minor in African/African-American Studies requires the following:

Twenty semester hours selected from the following:

ART 341	African Art	4 sh
ENG 238	African-American Literature pre-1945	4 sh
ENG 239	African-American Literature since 1945	4 sh
ENG 338	The African Experience in Literature	4 sh
ENG 359	African-American Novels	4 sh
GEO 320	Geography of Africa	4 sh
HST 313	Modern Africa	4 sh
HST 314	History of Southern Africa	4 sh
HST 363	African-American History, 1850-Present	4 sh
JCM 346	African Film	4 sh
POL 367	African Politics	4 sh

SOC 341	Ethnic and Race Relations	4 sh
AAA 361-9	Seminars in African/African-American Studies	4 sh
AAA 491	Independent Study	4 sh
TOTAL		20 sh

**AAA 361-369. SEMINARS IN AFRICAN/
AFRICAN-AMERICAN STUDIES** 4 sh

Interdisciplinary seminars focus on modern scholarship in African and African-American

Studies. Topics vary according to course theme.

AAA 491. INDEPENDENT STUDY

1-4 sh

90

Art

Chair, Department of Visual Arts: Assistant Professor Simpkins

Associate Professor: Sanford

Assistant Professors: Hassell, Wood

Adjunct Instructor: J. Henricks

The art department provides students with many opportunities to develop their visual awareness, engage in creative activity and to understand and critique their visual heritage. Elon offers a variety of art courses that are open to all students, majors and nonmajors alike.

The major and minor in art are designed to develop a strong background in the language of design, drawing and art history. An art major can choose a concentration in ceramics, digital art, painting or photography. The curriculum is a balance of courses in foundations and electives with in-depth involvement in the medium of concentration. Studio courses emphasize hands-on experience where confidence and skills are developed. Small classes and well-equipped work spaces provide students with the environment and tools conducive to the creative process. Students work closely with a faculty of active artists with first-hand knowledge of each medium.

The art major requires 46 semester hours. This allows art majors to pursue a career-oriented minor or even double major. The bachelor's degree in art builds on Elon's strong General Studies program to produce creative thinkers who are prepared for further professional and educational challenges.

A major in Art requires the following courses:

ART 112	Fundamentals of Design	4 sh
ART 201	Drawing I	4 sh
ART 220	Art and History	4 sh
ART 320	Issues in Twentieth Century Art	4 sh
ART 461	Senior Seminar	2 sh
Four electives in Art, eight hours of which must be at the 300-400 level		16 sh
Three courses in one concentration		12 sh
TOTAL		46 sh

It is recommended that ART 112 (Fundamentals of Design), ART 201 (Drawing I) and ART 220 (Art and History) be taken before the concentration courses.

Concentrations

Ceramics		12 sh
ART 200	Ceramics I	
ART 300	Ceramics II	
ART 400	Ceramics III	
Digital Art		12 sh
ART 263	Digital Art I	
ART 363	Digital Art II	
ART 463	Digital Art III	
Painting		12 sh
ART 202	Painting I	
ART 302	Painting II	
ART 402	Painting III	
Photography		12 sh
ART 205	Photography I	
ART 305	Photography II	
ART 405	Photography III	

A minor in Art requires the following courses:

ART 112	Fundamentals of Design	4 sh
ART 201	Drawing I	4 sh
ART 220	Art and History	4 sh
ART 320	Issues in Twentieth Century Art	4 sh

Two sequential courses in one media, painting, ceramics, photography or digital art

TOTAL 24 sh

ART 112. FUNDAMENTALS OF DESIGN 4 sh

This introduction to the fundamental principles and processes of two-dimensional and three-dimensional design uses a variety of media. Emphasis is placed on problem-solving, craftsmanship, creative exploration and effective use of the language of art. Material fee: \$50. Offered fall and spring.

ART 200. CERAMICS I 4 sh

This introduction to principles and processes of working with clay and glazes emphasizes basic construction techniques and kiln firing. Material fee: \$50. Offered fall and spring.

ART 201. DRAWING I 4 sh

Students learn the fundamentals of drawing and composition using various media. Material fee: \$50. Offered fall and spring.

ART 202. PAINTING I 4 sh

Painting I introduces the techniques of painting and composition in oils, with additional emphasis on color theory and creative exploration of the medium. Material fee: \$100. Offered fall.

ART 203. WATERCOLOR 4 sh

Course work studies various techniques of painting and composition with watercolor, emphasizing color theory and creative exploration of the medium. Material fee: \$40.

ART 204. PRINTMAKING 4 sh

Students become familiar with the basic processes of printmaking, with emphasis on the technical processes, design elements and the terms and concepts of the medium. Material fee: \$75.

ART 205. PHOTOGRAPHY I

4 sh

Photography I introduces students to the techniques, processes and language of photography. Emphasis is placed on the expressive qualities of the medium by making pictures that communicate individual experiences and ideas. Laboratory experience included. No prior experience necessary; students must provide a 35mm camera. Lab fee: \$75. Offered fall and spring.

ART 220. ART AND HISTORY, PREHISTORY TO PRESENT

4 sh

This is an introductory survey of the visual arts from prehistory through the present, emphasizing artistic styles, their origin and development, major works of art and their creators. No prerequisite. Offered fall.

ART 261. COLOR IN ART

2 sh

Color is probably the visual artist's most powerful tool. To use this tremendous potential, all artists must explore its many aspects. In a studio setting, students will explore a variety of materials, color mixing, color perceptions and color interactions. The historical, psychological and cultural connections to color will also be addressed. No prerequisite. Material fee: \$40.

ART 263. DIGITAL ART I

4 sh

This course explores computer graphics software as a tool to create expressive images. The course will cover the basic elements of visual language and design. Students will conceive and produce graphics-based publications with integrated images and words. No prerequisite. Material fee: \$75.

ART 300. CERAMICS II

4 sh

Students continue from ART 200, with emphasis on wheel-thrown forms, glaze mixing, kiln firing and studio management. Prerequisite: ART 200. Material fee: \$50.

ART 301. DRAWING II

4 sh

A continuation of ART 201, this course emphasizes composition, critical analysis and productive exploration through more extended studies in a variety of media. Prerequisite: ART 201. Material fee: \$50.

ART 302. PAINTING II

4 sh

A continuation of ART 202, this class emphasizes individual development, advanced critical analysis of visual images and productive exploration of the medium. Prerequisite: ART 202. Material fee: \$100.

ART 305. PHOTOGRAPHY II

4 sh

A continuation of ART 205, this course builds on the ideas and information in Photography I. More advanced techniques and a deeper understanding of the qualities and history of photography provide greater control over how photographs look and what they state. Prerequisite: ART 205. Lab fee: \$75.

ART 313. ART OF THE NINETEENTH CENTURY

2 sh

This course will explore the political, social and creative origins of one of the world's most popular art movements, Impressionism. The works of the group's central figures will be closely examined. No prerequisite.

ART 320. ISSUES IN TWENTIETH-CENTURY ART

4 sh

The Twentieth Century is perhaps the most fascinating period in human history for the visual artist. Old forms remain and continue to exert influence, but new forms abound and multiply at an astonishing rate. This course will attempt to organize the works and ideas of this century in a way that gives students a sense of the art of their time. No prerequisite. Offered spring.

ART 312. STUDIES IN ART HISTORY

2-4 sh

In-depth study in this topically oriented class covers a particular period, style or theme in art history.

ART 340. HISTORY OF PHOTOGRAPHY

4 sh

This course is an interdisciplinary exploration of the significant role photography plays in reflecting and defining modern culture. Discussions of images made by important photographers will prompt such issues as technology and creativity, politics of the camera, honesty in picture making, voyeurism and sexuality. No prerequisite.

ART 341. AFRICAN ART

2 sh

This course will examine the complexity of expression found in the aesthetic objects of Sub-Saharan Africa. No prerequisite.

ART 343. RENAISSANCE ART HISTORY

4 sh

The Renaissance bridges four centuries of genius in art and science. By examining the art of this time, students discover the dramatic changes in man's perception of self, society, religion and nature. Creative assignments provide students an opportunity to examine the Renaissance's impact upon their own lives. No prerequisite.

ART 363. DIGITAL ART II

4 sh

This builds on the skills and ideas introduced in ART 263 with the addition of Web design and 3-D programs. Students further investigate the expressive potential of the computer, through projects that integrate advanced techniques with alternative materials. Prerequisite: ART 263. Material fee: \$75.

ART 400. CERAMICS III

4 sh

A continuation of ART 300, emphasis in this course is on increased individual exploration of a single form-making process, glaze calculation and kiln firing. Prerequisite: ART 300. Material fee: \$50.

ART 402. PAINTING III

4 sh

This continuation of ART 302 emphasizes increased individual exploration of the medium and the development of a focused body of work. Prerequisite: ART 302. Material fee: \$100. Offered fall.

ART 405. PHOTOGRAPHY III

4 sh

This course continues ART 305 with a semester-long project proposed and devel-

oped by each student, concluding in a portfolio. Course emphasis is on individual participation through class presentations on techniques and issues in contemporary photography. Prerequisite: ART 305. Lab fee: \$75.

ART 461. SENIOR SEMINAR

2 sh

This course requires the student to assemble a portfolio, produce a critical artistic statement and plan an exhibition of her/his art work. All activities are done in consultation with a departmental advisor. This course should be taken during the final spring semester. (Spring semester only.)

ART 463. DIGITAL ART III

4 sh

A semester-long project proposed and developed by each student concluding in a printed or digital portfolio. This course focuses on developing an individual vision and use of the medium by creating a unified body of work. Student presentation explore the traditional elements of creativity as well as topical issues generated by this contemporary medium. Prerequisite: ART 363. Material fee: \$75.

ART 481. INTERNSHIP IN ART

1-4 sh

This course for art majors and minors may only be taken with the permission of the department head and supervising instructor.

ART 491. INDEPENDENT STUDIO

4 sh

Art majors and minors may pursue a program of advanced study and individual exploration in a selected medium. Proposals for independent studio should be prepared and submitted in the semester prior to enrollment. The instructor may require class attendance. Maximum 8 sh credit, by permission of art faculty only.

Asian/Pacific Studies

Coordinator: Professor Arcaro

The vast area of the Pacific Rim is of major importance in political, economic and cultural terms. This program aids students to shift from an Atlantic to a Pacific perspective, to focus on some particular Asian/Pacific cultures, and to take first steps not only in seeing Asia with Western eyes but also in seeing the West through Asian eyes.

Asian/Pacific Studies takes an interdisciplinary approach to study the peoples and

cultures of Asia and the Pacific Rim. The program allows students to select from a current group of courses approved by an advisory group.

The minor consists of a minimum of 20 credit hours. Furthermore, the Asian/Pacific Studies program may be expanded into an International Studies major with Asian/Pacific Studies as a regional concentration. See note below.

Foreign language study (e.g. Japanese or Chinese) is strongly recommended as is a study abroad experience in the region.

A minor in Asian/Pacific Studies requires 20 semester hours selected from the following list. Courses must be chosen from at least two disciplines.

General Asian/Pacific Studies courses

BUS 357	Emerging Markets in Asia	4 sh
BUS 358	Doing Business in Asia	4 sh
ENG 376	Asian Literature of Social Change	4 sh
ENS 310	Environmental Issues of Southeast Asia	4 sh
HST 320	China, Japan and the Pacific Century: Era of War and Revolution	4 sh
POL 363	Politics of Asia	4 sh
PHL 352	Eastern Philosophy	4 sh
PHL 353	Zen and the Culture of Japan	4 sh
REL 359	India Past and Present	4 sh
REL 353	Buddhism	4 sh
REL 356	Hinduism	4 sh
SOC 329	Peoples & Cultures of Southeast Asia	4 sh
SOC 344	Socio-Cultural Change in India	4 sh
APS 361-369	Seminars in Asian/Pacific Studies	2-4 sh
APS 481	Internship in Asian/Pacific Studies	1-4 sh

Asian/Pacific Foreign Language Courses

While not required for the minor, up to 8 sh of the courses below may count toward the minor.

CHN 110	Elementary Chinese	4 sh
CHN 210	Intermediate Chinese	4 sh
CHN 310	Advanced Chinese	4 sh
JPN 110	Elementary Japanese	4 sh
JPN 210	Intermediate Japanese	4 sh
JPN 310	Advanced Japanese	4 sh

Study Abroad in the Region

While not required for the minor, up to 4 sh of such study abroad may count for the minor.

Approved course lists for study abroad in Asia and the Pacific Rim may be obtained from the program coordinator.

TOTAL

20 sh

Note: If they choose, students can extend the minor into an International Studies Major, with a regional concentration in Asia and the Pacific Rim. In this way, the minor supports the International Studies Major by providing focus for a regional concentration and opportunity to acquire language skills. For details and other requirements, see International Studies in the Elon catalog.

Biology

Chair, Department of Biology and Allied Health: Associate Professor N. Harris

Associate Chair: Assistant Professor Ulrich

Associate Professors: Clark, Seidel

Assistant Professors: Carloye, Gallucci, Haenal, Kingston, MacFall, Vick

Adjunct Instructor: DeVries

95

Biology is the study of life in all its diverse forms. As a species, we have always been deeply fascinated by other living creatures. Early human's dependence on other animals and plants for food, medicine, and shelter fostered an appreciation for life's interconnectedness. Modern society has rediscovered these relationships in the face of such challenges as global warming, rain forest destruction, AIDS, rising cancer rates and industrial pollution.

Our approach to biology at Elon College stresses hands-on experiences in the classroom, laboratory and field. The course of study includes off-campus experiential opportunities and research seminars that encourage creative approaches to biological problems. The focus is on science as a process, not merely a collection of established facts.

The faculty strives to provide students with a high quality program that enables them to (1) develop critical thinking and problem solving skills to better understand and meet present and future biological challenges; (2) develop competency in information retrieval, use and analysis; (3) develop an understanding of the latest technologies utilized in biological investigation; (4) acquire broad-based knowledge of biological concepts from molecules to ecosystems; and (5) acquire an experiential learning opportunity through either research, internship or laboratory assistantship.

The Bachelor of Science in Medical Technology (MT) consists of three years of pre-professional training at Elon followed by application to the 12 month clinical program at our affiliated hospital. Admission to the affiliated program is competitive and based on overall GPA, evaluation by faculty and personal interviews. If needed, a 4th year of study at Elon can lead to a bachelor of science in biology.

In all of Elon's biology offerings, students receive a strong foundation in biology that prepares them for graduate studies, medical and other allied health related professional schools, teaching and industry.

The Department of Biology and Allied Health offers programs leading to the Bachelor of Arts or Bachelor of Science degree with a major in Biology, the Bachelor of Science degree with a major in Medical Technology, and a minor concentration in Biology for students majoring in another discipline.

The department of Biology has divided its laboratory course offerings that serve as electives into three functional categories to assist students in the development of a broad based major with the necessary fundamental biological concepts while at the same time providing the student the flexibility to build a program that meets their individual interests and needs.

Molecular/Cellular Biology	Organismal Biology	Supraorganismal Biology
BIO 322	BIO 316 BIO 343	BIO 335
BIO 345	BIO 318	BIO 442
BIO 348	BIO 321	BIO 452
BIO 351	BIO 325	
BIO 352	BIO 342	

Both the Bachelor of Arts and the Bachelor of Science degrees in Biology

require the following Core Courses:

BIO 111	Intro Cell Biology	3 sh
BIO 112	Intro Population Biology	3 sh
BIO 113	Cell Biology Lab	1 sh
BIO 114	Population Biology Lab	1 sh
BIO 221	General Zoology	4 sh
BIO 222	General Botany	4 sh
BIO 261	Introductory Seminar	2 sh
BIO 322	Molecular and Cellular Biology	4 sh

One course selected from the Organismal Biology category 4 sh

- BIO 316 Developmental Biology
- BIO 318 Comparative Vertebrate Structure & Function
- BIO 321 Microbiology
- BIO 325 Human Histology
- BIO 342 Plant Physiology
- BIO 343 Introductory Medical Anatomy and Physiology

One course selected from the Supraorganismal Biology category: 4 sh

- BIO 335 Field Biology
- BIO 442 Aquatic Biology
- BIO 452 General Ecology

Eight semester hours of electives selected from the following: 8 sh

- Organismal Biology category
- Supraorganismal Biology category
- Molecular/Cellular Biology category

This may include a maximum of two 2-semester hour special topics seminars.

BIO 462 Senior Seminar 2 sh

TOTAL 40 sh

A Bachelor of Arts degree in Biology requires the following courses:

Core Courses in Biology	40 sh
CHM 111 General Chemistry I	3 sh
CHM 112 General Chemistry II	3 sh
CHM 113 General Chemistry I Lab	1 sh
CHM 114 General Chemistry II Lab	1 sh

In addition, a required experiential component selected from

- (a) internship
- (b) research
- (c) a specialized approved laboratory assistantship.

TOTAL**48 sh**

A Bachelor of Science degree in Biology requires the following courses:

Core Courses in Biology		40 sh
CHM 111	General Chemistry I	3 sh
CHM 112	General Chemistry II	3 sh
CHM 113	General Chemistry I Lab	1 sh
CHM 114	General Chemistry II Lab	1 sh
CHM 211	Organic Chemistry I	3 sh
CHM 212	Organic Chemistry II	3 sh
CHM 213	Organic Chemistry I Lab	1 sh
CHM 214	Organic Chemistry II Lab	1 sh
PHY 111	General Physics I	4 sh
PHY 112	General Physics II	4 sh or
PHY 113	General Physics I w/Calculus	4 sh
PHY 114	General Physics II w/Calculus	4 sh
MTH 114	Elementary Statistics	4 sh

In addition, a required experiential component selected from

- (a) internship
- (b) research
- (c) a specialized approved laboratory assistantship.

TOTAL**68 sh**

A Bachelor of Science Degree in Medical Technology requires 49 semester hours of course work at Elon College and completion of the clinical curriculum at Moses Cone Memorial Hospital.

BIO 111	Intro Cell Biology	3 sh
BIO 112	Intro Population Biology	3 sh
BIO 113	Cell Biology Lab	1 sh
BIO 114	Population Biology Lab	1 sh
BIO 321	Microbiology	4 sh
BIO 345	Genetics	4 sh
BIO 351	Biochemistry	3 sh
BIO 352	Biochemistry Lab	1 sh
CHM 111	General Chemistry I	3 sh
CHM 112	General Chemistry II	3 sh
CHM 113	General Chemistry I Lab	1 sh
CHM 114	General Chemistry II Lab	1 sh
CHM 211	Organic Chemistry I	3 sh
CHM 212	Organic Chemistry II	3 sh
CHM 213	Organic Chemistry I Lab	1 sh

CHM 214	Organic Chemistry II Lab	1 sh
PHY 111	General Physics I	4 sh
PHY 112	General Physics II	4 sh
MTH 114	Elementary Statistics	4 sh or
CIS 116	Microcomputer Applications	4 sh
A course in immunology		1-3 sh
Completion of the clinical curriculum at Moses H. Cone Memorial Hospital		

TOTAL **49-51 sh**

98

A Minor in Biology requires the following courses:

BIO 111	Intro Cell Biology	3 sh
BIO 113	Cell Biology Lab	1 sh
Sixteen semester hours chosen from the following		16 sh
BIO 112	Intro Population Biology	
BIO 114	Population Biology Lab	
Biology courses at the 200-400 level		

TOTAL **20 sh**

BIO 101. TOPICS IN GENERAL BIOLOGY 3 sh

This topical approach to the foundational concepts of biology examines theories and issues in biology as they relate to varying special topics selected by the instructor. For general studies laboratory science requirement the BIO 102 laboratory should be taken concurrently. No credit to students with prior credit for BIO 111. No credit toward biology major or minor. Offered fall and spring.

**BIO 102. GENERAL BIOLOGY
LABORATORY**

1 sh

This two-hour laboratory provides experiences to complement selected foundational concepts from BIO 101. To satisfy the general studies laboratory science requirement, BIO 101 and 102 should be taken concurrently. No credit to students with prior credit for BIO 113. No credit toward biology major or minor. Offered fall and spring.

BIO 105. CURRENT ISSUES IN BIOLOGY 4 sh

Designed for non-science majors, this course focuses on reading, interpreting and evaluating facts behind biological issues and exploring the implications for science and human society. Students conduct library research, present oral reports, discuss and write papers on these issues. No credit

toward biology major or minor. Satisfies General Studies non-laboratory science requirement. Offered winter.

**BIO 111. INTRODUCTORY
CELL BIOLOGY**

3 sh

In this introduction to organization and function at the cellular level, topics of study include basic cell chemistry and structure, transport, energetics and reproduction. Required for biology majors/minors. Corequisite: BIO 113. Offered fall and spring.

**BIO 112. INTRODUCTORY POPULATION
BIOLOGY**

3 sh

Topics of study in this introduction to organization and function at the population level include reproduction and transmission genetics, patterns and mechanics of evolutionary change and basic concepts of ecology. Required for biology majors/minors. Corequisite: BIO 114. Offered fall and spring.

BIO 113. CELL BIOLOGY LABORATORY 1 sh

Students have three hours of laboratory experience per week with topics complementing concurrent study in BIO 111. Required for biology majors/minors. Corequisite: BIO 111. Offered fall and spring.

**BIO 114. POPULATION BIOLOGY
LABORATORY**

1 sh

Students have three hours of laboratory experience per week with topics complementing concurrent study in BIO 112. Required for biology majors/minors. Corequisite: BIO 112. Offered fall and spring.

BIO 121. BIOLOGICAL DIVERSITY

4 sh

This course exposes the non-science major to the diversity of form and function through lectures and demonstrations, emphasizing the relationship of specific organisms and diversity in general to human society. No credit toward major/minor. Satisfies General Studies non-laboratory science requirement.

BIO 161. HUMAN ANATOMY

4 sh

This course explores human anatomy, concentrating on skeletal, muscular, nervous, endocrine, heart, blood, respiratory, digestive and urinary aspects. Three class hours, one laboratory per week. No credit toward BIO major/minor. Offered fall and spring.

BIO 162. HUMAN PHYSIOLOGY

4 sh

This study of human physiology emphasizes skeletal, muscular, nervous, endocrine, heart, blood, respiratory, digestive and urinary aspects. Three class hours, one laboratory per week. No credit toward BIO major/minor. Offered fall and spring.

**BIO 181. BIOLOGY LABORATORY
TECHNIQUES**

2 sh

Skills taught in this training course for prospective laboratory assistants include laboratory procedures, materials preparation and grading procedures. Offered fall.

**BIO 215. ORGANISMAL BIOLOGY
AND FIELD TECHNIQUES**

4 sh

This course examines the basic concepts of plant and animal form and function and the fundamentals of plant and animal systematics, with a focus on herbaceous and woody plants, soil and aquatic invertebrates. Students investigate the natural history of local plant and animal species and their role in community dynamics. Laboratory experi-

ences emphasize keying and identification, field methodologies of specimen collection and preservation, sampling techniques, and population estimation procedures for terrestrial and aquatic ecosystems. Satisfies the General Studies lab science requirement. No credit toward the major or minor. Prerequisites: ENS/BIO 111, BIO 112, 114. (BIO 215 is the same course as ENS 215.) Offered fall.

BIO 221. GENERAL ZOOLOGY

4 sh

Students survey the animal kingdom (emphasizing selected vertebrates and invertebrates), investigating basic concepts of morphology, anatomy, physiology and taxonomy as they affect the ecology of the animal. Three class hours, one laboratory per week. Prerequisites: BIO 111, 112, 113, 114. Offered fall and spring.

BIO 222. GENERAL BOTANY

4 sh

This survey of the plant kingdom (emphasizing vascular plants) includes general morphology, anatomy, physiology of metabolism and growth, economic importance and identification. Three class hours, one laboratory per week. Prerequisites: BIO 111, 112, 113, 114. Offered fall and spring.

BIO 261. INTRODUCTORY SEMINAR

2 sh

Students learn to use primary information sources and gain practice in manual and computer information retrieval, read and interpret research and review papers, write abstracts and present scientific information orally. Recommended for sophomore year. Offered fall.

BIO 271. SPECIAL TOPICS SEMINAR

2-4 sh

Study focuses on one biological topic per seminar in this non-laboratory discussion course for biology majors. Topics are determined by student and faculty interest. Must have instructor's consent. Offered winter.

BIO 316. DEVELOPMENTAL BIOLOGY

4 sh

This course examines the changes that occur at the cellular and subcellular level as a single-cell zygote develops into a multicellular organism. Topics include fertilization, blastula formation, gastrulation, and organ-

ogenesis. Three class hours, one laboratory per week. Prerequisites: BIO 221; CHM 111, 112, 113, 114. Offered spring of even numbered years.

BIO 318. COMPARATIVE VERTEBRATE STRUCTURE AND FUNCTION 4 sh

An evolutionary approach to the form and function of vertebrates. Students will investigate a diversity of traits and follow the evolutionary changes of these traits from the earliest vertebrates to mammals. The primary focus is on the move from aquatic to terrestrial habitats, the evolution of flight, and the evolution of endothermy. Students will compare changes in form and function of the major organ systems through laboratory dissection of the jawless fish, shark, amphibian and mammal. Prerequisites: BIO 112, 114; BIO 221. Offered spring of odd numbered years.

BIO 321. MICROBIOLOGY 4 sh

In a general survey of microorganisms, study emphasizes bacteria, their cytophysiological characteristics and classification, viruses, microbial diseases and immunity and the role of microorganisms in human affairs. Three class hours, one laboratory per week. Prerequisites: BIO 111, 113, CHM 111, 112, 113, 114. Junior standing or consent of instructor. Offered spring of even-numbered years.

BIO 322. MOLECULAR AND CELLULAR BIOLOGY 4 sh

This course is a study of the structure and function of prokaryotic and eukaryotic cells at the molecular level. It examines in depth specific biochemical pathways and processes essential to life. Topics include considerable coverage of the principles, techniques and applications of molecular genetics. Three class hours and one laboratory per week. Junior standing or consent of instructor. Prerequisites: BIO 111, 112, 113, and 114; CHM 111, 112, 113, 114. Offered fall and spring.

BIO 325. HUMAN HISTOLOGY 4 sh

Students survey human body tissues (espe-

cially of the cardiovascular, alimentary, respiratory, urinary and reproductive systems), stressing tissue identification and the relationship of microanatomy to physiology of the human body. Three class hours, one laboratory per week. Prerequisites: BIO 111, 113. Offered fall of odd-numbered years.

BIO 335. FIELD BIOLOGY 4 sh

In this field-oriented course, restricted to selected natural taxa, environments or biological phenomena, in-depth field study may include identification, classification, life histories and relationships among organisms. Prerequisite: Consent of instructor. Offered winter and/or summer.

BIO 342. PLANT PHYSIOLOGY 4 sh

Topics in this study of the life processes of plants include photosynthesis, mineral nutrients, movement of materials, plant growth substances and senescence. Three class hours, one laboratory per week. Prerequisites: BIO 222; CHM 111, 112, 113, 114. Offered spring of odd-numbered years.

BIO 343. INTRODUCTORY MEDICAL ANATOMY AND PHYSIOLOGY 4 sh

An introduction to the basic topics of human medical structure and function. Lecture emphasizes regular processes and responses occurring in human organ systems. Laboratory is a combination of equipment instruction, independent physiology projects and dissection. Three class hours, one laboratory per week. Prerequisites: BIO 221; CHM 111, 112, 113, 114. Offered fall of even numbered years.

BIO 345. GENETICS 4 sh

Students are introduced to Mendelian and molecular principles of genetics and the applications of these principles to the modern world. Three class hours, one laboratory per week. Prerequisites: BIO 111, 112, 113, and 114; CHM 111, 112, 113, and 114. Offered fall of odd-numbered years.

BIO 348. BIOTECHNOLOGY 4 sh

Students explore how biological systems are utilized in scientific research. In collaboration with their peers, students will apply the

techniques of molecular biology (restriction digestion, transformation, DNA hybridization, PCR, etc.) to investigate a research question. Emphasis will be placed on protocol design, solution preparation and critical analysis of research data. Additionally, the social context of biotechnology will be investigated as students explore the risks and rewards in this expanding field. Two laboratory periods and one class hour per week. Prerequisites: BIO 345 or 322. Offered spring of odd-numbered years.

BIO 351. BIOCHEMISTRY 3 sh

In this survey of biochemistry as it relates to the physiology of organisms, study includes biochemical methodology, buffers, proteins (structure, function, and synthesis), enzymes, bioenergetics, anabolism and catabolism of carbohydrates and lipids, and metabolic regulation. Three class hours, one laboratory per week. Prerequisites: CHM 111, 112, 113, 114, 211, 212, 213, and 214. (BIO 351 is the same as CHM 351.) Offered fall of even-numbered years.

BIO 352. BIOCHEMISTRY LABORATORY 1 sh

Experiments in this study of laboratory techniques and principles of biochemistry as it relates to the physiology of organisms include biochemical methodology, buffers, proteins (structure, function and synthesis), enzymes, bioenergetics, anabolism and catabolism of carbohydrates and lipids, and metabolic regulation. Corequisite: BIO 351. (BIO 352 is the same as CHM 352.) Offered fall of even-numbered years.

BIO 371. SPECIAL TOPICS SEMINAR 2-4 sh

Each seminar – a non-laboratory discussion course for biology majors – focuses on one biological topic determined by student and faculty interest. Offered winter.

BIO 442. AQUATIC BIOLOGY: THE STUDY OF INLAND WATERS 4 sh

Aquatic Biology considers the chemical, physical and biological properties of freshwater ecosystems including streams, rivers, ponds and lakes. Topics include the geomorphology of inland waters, thermal stratification, nutrient cycles, community metabo-

lism, plankton community dynamics, seasonal succession and eutrophication resulting from human activities. Weekly laboratory meetings provide hands-on experience with the field techniques of freshwater scientists. Prerequisites for Biology major: BIO 221, 222; CHM 111, 113, 112, 114. Prerequisites for Environmental Studies major: BIO 112, 114, 215; CHM 111, 113, 112, 114. Junior standing or consent of instructor. Offered spring of even-numbered years.

BIO 452. GENERAL ECOLOGY 4 sh

Students explore ecological principles at population, community, and ecosystem levels in this study of the interrelationships of organisms with their biotic and abiotic environments. Three lecture hours, one laboratory per week. Prerequisites for Biology major: BIO 221, 222; CHM 111, 113, 112, 114. Prerequisites for Environmental Studies major: BIO 112, 114, 215; CHM 111, 113, 112, 114. Junior standing or consent of instructor. Offered fall.

BIO 462. SENIOR SEMINAR 2 sh

This study requires a research or review paper and formal oral presentation of a focused biological topic to a peer and faculty audience. Recommended for senior year. Offered fall.

BIO 471. SPECIAL TOPICS SEMINAR 2-4 sh

Each seminar – a non-laboratory discussion course for biology majors – focuses on one biological topic determined by student and faculty interest. Must have instructor's consent. Offered winter.

BIO 481. INTERNSHIP IN BIOLOGY 1-4 sh

Advanced level work experience in a biological field is offered on an individual basis when suitable opportunities can be arranged. Prerequisite: permission of department.

BIO 499. RESEARCH 1-4 sh

Students from all levels conduct laboratory and/or field research under the direction of the Biology faculty. Maximum eight semester hours total credit. Prerequisite: Permission of the Biology faculty.

Business Administration

The Martha and Spencer Love School of Business

Dean of Love School of Business: Professor Burbridge

Chair, Department of Business Administration: Associate Professor Paul

Professor: Weavil

Associate Professors: Baxter, Guffey

Assistant Professors: Cort, Joiner, Manring, Nienhaus, O'Mara, Peterson, Strempek, Valle

102

The Business Administration program at Elon College provides the student an education sought by both profit and not-for-profit organizations and companies in every sector of global society. In addition to core courses in accounting, finance, management, marketing and operations, the student concentrates in one of the following disciplines: finance, management, marketing, international management or management information systems.

With business study and the general studies program blended together, the student obtains a well-rounded education most sought after by recruiters from industry, government and other organizations.

Students with a degree in Business Administration are among the best prepared for most of the top 20 careers of the future as defined recently by *Business Week*. The business faculty's style of instruction is applied, based on theories presented in text books. That style is possible because the faculty has extensive industry experience in addition to postgraduate qualification in the field in which they teach. Students are encouraged to use the computer in analysis and presentation, case analyses, and group projects which are meant to reflect real situations as much as possible.

Graduates in Business Administration are ready to begin professional careers in every facet of American organizations requiring business skills. The approximation of business problems in the classroom gives the student an understanding of possible situation types faced in a career. The sound preparation in liberal studies and business administration makes the Elon business major a good investment for professional success.

A major in Business Administration requires the following courses:

MTH 116	Applied Mathematics with Calculus	4 sh or
MTH 121	Calculus and Analytic Geometry I	4 sh
ECO 201	Principles of Economics	4 sh
ECO 202	Statistics for Economics and Business	4 sh
ECO 301	Business Economics	4 sh
ACC 201	Principles of Financial Accounting I	4 sh
ACC 202	Principles of Management Accounting	2 sh
CIS 116	Microcomputer Applications	4 sh
BUS 221	Business Law	2 sh
BUS 302	Business Communications	4 sh
BUS 311	Principles of Marketing	4 sh
BUS 323	Principles of Management	4 sh
BUS 360	Principles of Decision Science	4 sh
BUS 465	Business Policy	4 sh
FIN 343	Managerial Finance	4 sh
Twelve - sixteen semester hours of a concentration		12-16 sh
TOTAL		64-68 sh

Concentrations**Finance**

12 sh

FIN 413 Advanced Managerial Finance

FIN 421 Investment Principles

One course from the following:

FIN 416 Fundamentals of Insurance

FIN 471 Seminar: Special Topics

Marketing

12 sh

BUS 415 Buyer Behavior and Advertising

BUS 417 Marketing Channels

One course from the following:

BUS 411 Managing Market Innovation

BUS 414 Marketing Research

BUS 419 Sales Management

Management

12 sh

BUS 424 Responsible Leadership

Two courses from the following:

BUS 427 Organizational Improvement

BUS 428 Organizational Behavior

BUS 429 Entrepreneurship/Intrapreneurship

BUS 430 International Business Management

BUS 471 Seminar: Special Topics

(when the topic is appropriate to management)

International Management

16 sh

BUS 430 International Business Management

Eight semester hours of one foreign language: Students who choose to continue with a foreign language previously studied must take the 200-300-level courses in that language. Students who choose a language not previously studied must take the 100-200-level courses in that language.)

One course from the following:

ECO314 International Trade and Finance

BUS 471 Seminar: Special Topics (when the topic is appropriate to international management)

Management Information Systems

12 sh

CIS 216 Programming in a Visual Environment

CIS 330 Systems Analysis and Design

CIS 340 Systems Implementation

A minor in Business Administration requires the following courses:

BUS 304 Introduction to Marketing 4 sh **or**

BUS 311 Principles of Marketing 4 sh

BUS 303 Introduction to Managing 4 sh **or**

BUS 323 Principles of Management 4 sh

ACC 201 Principles of Financial Accounting 4 sh

ACC 202	Principles of Management Accounting	2 sh
ECO 201	Principles of Economics	4 sh
TOTAL		18 sh

BUS 221. BUSINESS LAW

This course introduces the law as it applies to businesses, including law and the courts, administrative agencies, contracts, personal property, commercial paper, agency, employment, partnerships and corporations. Offered fall and spring.

BUS 302. BUSINESS COMMUNICATIONS 4 sh

In addition to studying the theory and principles of good oral and written communications, students practice making oral presentations and writing business reports, letters and memoranda. Prerequisite: ENG 110 and sophomore standing. Offered fall and spring.

BUS 303. INTRODUCTION TO MANAGING 4 sh

For **non-majors**, this introductory course examines universal business processes — such as goal setting, planning, decision making, motivation, human resource management, control — which are applied by both not-for-profit and government organizations. Sophomore standing required. No credit for both BUS 303 and 323. Offered fall and spring.

BUS 304. INTRO TO MARKETING 4 sh

For **non-majors**, this introductory course examines marketing principles which are applied by all organizations. Sophomore standing required. No credit for both BUS 304 and BUS 311. Offered fall and spring.

BUS 311. PRINCIPLES OF MARKETING 4 sh

This study of the marketing and distribution of goods and services includes buyer behavior, the marketing functions, commodity and industrial markets, merchandising considerations, price policies and governmental regulation of competition. Prerequisites: ECO 201 and BUS 302. Sophomore standing required. Offered fall and spring.

BUS 323. PRINCIPLES OF MANAGEMENT 4 sh

Principles of Management introduces the classical, scientific and behavioral approaches to management, with particular emphasis on organization and qualitative decision theory. Prerequisite: BUS 302. Sophomore standing required. Offered fall and spring.

BUS 360. PRINCIPLES OF DECISION SCIENCE 4 sh

This course focuses on the application of quantitative methods to business decision making, especially production and operations decisions. Prerequisites: ECO 202, CIS 116. Sophomore standing required. Offered fall and spring.

BUS 365. BUSINESS ADMINISTRATION APPLICATIONS 4 sh

Topics vary yearly in the study of applications of business administration principles and theories in various business situations. Sophomore standing required. Primarily offered in winter term.

BUS 366. FIELD EXPERIENCE IN BUSINESS 4 sh

This travel course revolves around visits to diverse businesses, domestically or abroad, and analyses of the businesses visited. Prerequisite: permission of instructor. Sophomore standing required. Offered winter.

BUS 411. MANAGING MARKET INNOVATION 4 sh

Innovation is a major facet of managing an organization's market. Market offerings—the products and services which the organization brings to its market—are obvious vehicles for innovation. Today's concepts of “product velocity” demand that marketers understand and learn to manage the process of product and market innovations. Technology drives many innovations, often

leading to product revolutions which seem to be almost self-propelled. Marketing professionals must manage such opportunities, as well as the less dramatic but ever-present process of incremental innovations. Market innovations may be expressed in products and features, in processes, in services and in market development strategies. At the heart of the innovation process lie concepts such as product life cycles, creative processes and market positioning. Prerequisite: BUS 311.

BUS 414. MARKETING RESEARCH 4 sh

Students apply various research methods used in business to gather and analyze marketing data. Possible effects and implications of the analyses are discussed in terms of the marketing and decision-making processes of businesses. Prerequisite: BUS 311 and ECO 202.

BUS 415. BUYER BEHAVIOR AND ADVERTISING 4 sh

The goal of advertising is to inform and persuade potential buyers. Understanding even the most basic knowledge which researchers have developed about buyer behavior gives the student of advertising an enormous advantage in this critical marketing activity. This course will fuse traditional research-oriented "consumer behavior" material with the practitioner-oriented study of the advertising process. The buyers studied will be both consumers and organizational buyers, and advertising will be presented in these two different contexts. Prerequisite: BUS 311.

BUS 417. MARKETING CHANNELS 4 sh

Of the four major areas of marketing strategy (product, pricing, advertising and promotion, and distribution strategies) those involving the distribution of goods and services through multiple channels require the greatest understanding of business-to-business marketing. The study of channel strategies gives the student an opportunity to combine knowledge of many marketing principles with that of other business disciplines (accounting, finance, management) in structuring the distribution networks to

move products from producer to ultimate customer. Business-to-business relationship, problems, and interfaces are explored, with emphasis on channel management, performance and strategy. Prerequisite: BUS 311.

BUS 418. COMMERCIAL LAW 4 sh

Commercial Law, a technical study of the American legal system, includes examination of Uniform Commercial Code provisions governing contracts, sales and commercial paper, creditors rights and the law of wills and trust. Prerequisite: BUS 221.

BUS 419. SALES MANAGEMENT 4 sh

The sales management course is an analysis of professional selling practices with emphasis on the selling process and sales management, including the development of territories, determining potentials and forecasts, and setting sales quotas. Prerequisite: BUS 311.

BUS 420. MARKETING STRATEGY 4 sh

This advanced course gives the student an opportunity to combine knowledge of marketing principles with that of other disciplines (accounting, economics, finance, and statistics) in solving marketing-related problems. Prerequisite: BUS 311.

BUS 424. RESPONSIBLE LEADERSHIP 4 sh

This required course for the management concentration addresses the characteristics, behaviors and responsibilities required of contemporary organizational leaders. While focusing on the traditional topics (individual differences and traits of leaders, behaviors of leaders, role of power, types and styles of leadership, theories of motivation) the student will also be introduced to some non-traditional approaches (non-traditional metaphors, leadership as an art, individual differences of followers and followership) to understanding leaders and leadership. The responsibilities of leadership will be specifically addressed in relationship to the concepts of organizational success and effectiveness, social responsibility and ethical decision-making. Prerequisite: BUS 323.

BUS 427. ORGANIZATIONAL IMPROVEMENT

4 sh

This course will introduce the students to material which will cover basic productivity improvement techniques, application of those techniques in his/her work place, teaching co-workers these techniques, leading work teams in problem-solving activities, and managing an organizational productivity improvement program.

Prerequisite: BUS 323.

BUS 428. ORGANIZATION BEHAVIOR

4 sh

This course addresses the role of the individual and groups within organizations and the organization as an entity. The focus is on theories, concepts, and applications regarding people oriented management skills. Personality, perception, group dynamics, appraisal, decision making, cooperation and conflict, organization structure, organization politics, and managing change are topics included in the course. Prerequisite: BUS 323.

BUS 429. ENTREPRENEURSHIP/ INTRAPRENEURSHIP

4 sh

This course addresses how to go into business and several of the unique problems and circumstances encountered in establishing and operating a small business. Emphasis is also given to the role of entrepreneurship in large firms through the study of "intrapreneurship." Special emphasis is given on why small businesses fail and what entrepreneurs can do to minimize the influence of these forces. Family owned business management is included as one type of small business covered. Prerequisite: BUS 323.

BUS 430. INTERNATIONAL BUSINESS MANAGEMENT

4 sh

This course covers business management from the perspective of the current global

business environment. Students examine the overall nature of international business, the foreign environments that international businesses face and the unique situations associated with doing business across international borders. Prerequisite: BUS 323 or permission of instructor.

BUS 465. BUSINESS POLICY

4 sh

This capstone course integrates students' experiences and previous study through case studies and simulated business decision exercises. Prerequisites: BUS 302, 311, 323, 360, FIN 343 and senior status. Offered fall and spring.

BUS 471. SEMINAR: SPECIAL TOPICS

4 sh

This advanced study consists of readings and discussion of special topics and involves participation by students, faculty and other resource persons.

BUS 481. INTERNSHIP IN BUSINESS ADMINISTRATION

1-8 sh

An internship experience offers the student valuable experience in business and management. Appropriate placement must be arranged by the student with the help and support of Business Administration faculty and other appropriate resources.

BUS 491. INDEPENDENT STUDY

1-4 sh

BUS 499. UNDERGRADUATE RESEARCH IN

BUSINESS ADMINISTRATION

1-4 sh

Students can engage in an undergraduate research study in collaboration with a faculty sponsor.

Chemistry

Chair, Department of Chemistry:

Professors: Daniele, Grimley

Associate Professor: Gooch, D. Wright

Assistant Professors: Gillespie, Sienerth

The Department of Chemistry offers courses of study leading to either a Bachelor of Science degree (62 semester hours credit), Bachelor of Arts degree (48 semester hours credit) or a minor in Chemistry (24 semester hours credit).

Students who major in Chemistry are qualified for many pursuits. They may choose to: work in chemical industry; continue advanced studies in chemistry; take professional training in medicine, dentistry or other health-related fields; prepare to teach at the secondary level; or pursue opportunities in related fields (environmental science, forensics, business and industry).

Elon's chemistry program provides the opportunity for students to engage with faculty in undergraduate research and to gain direct experience with new instrumentation using today's state-of-the-art technology. The results of the research projects are presented at local, regional and national scientific meetings.

Another key feature of the program is the introduction and use of instrumentation in the first-year general chemistry sequence and its continued emphasis throughout the chemistry curriculum. Student participation in assisting in laboratory instruction is strongly advised.

A Bachelor of Science degree in Chemistry requires the following courses:

CHM 111	General Chemistry I	3 sh
CHM 113	General Chemistry I Lab	1 sh
CHM 112	General Chemistry II	3 sh
CHM 114	General Chemistry II Lab	1 sh
	OR (in lieu of CHM 111, 113, 112, 114)	
CHM 115	Advanced General Chemistry	3 sh
CHM 114	General Chemistry II Lab	1 sh
CHM 211	Organic Chemistry I	3 sh
CHM 212	Organic Chemistry II	3 sh
CHM 213	Organic Chemistry I Lab	1 sh
CHM 214	Organic Chemistry II Lab	1 sh
CHM 125	The Chemical Literature	1 sh
CHM 205	Inorganic Chemistry	4 sh
CHM 311	Quantitative Analysis	4 sh
CHM 332	Physical Chemistry I	4 sh
CHM 334	Physical Chemistry II	4 sh
CHM 421	Instrumental Analysis	4 sh
CHM 431	Advanced Inorganic Chemistry	4 sh
CHM 461	Seminar	1 sh

Four additional semester hours selected from:	4 sh
CHM 499 Chemistry Research (1-4 sh)	
CHM 232 Chemical Separations (2 sh)	
CHM 300-400 level Chemistry electives (2-4 sh)	
MTH 121 Calculus & Analytic Geometry I	4 sh
MTH 221 Calculus & Analytic Geometry II	4 sh
PHY 113 General Physics I with Calculus	4 sh
PHY 114 General Physics II with Calculus	4 sh

TOTAL	58-62 sh
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A Bachelor of Arts Degree in Chemistry requires the following courses:

CHM 111	General Chemistry I	3 sh
CHM 113	General Chemistry I Lab	1 sh
CHM 112	General Chemistry II	3 sh
CHM 114	General Chemistry II Lab	1 sh
OR (in lieu of CHM 111, 113, 112, 114)		
CHM 115	Advanced General Chemistry	3 sh
CHM 114	General Chemistry II Lab	1 sh
CHM 211	Organic Chemistry I	3 sh
CHM 212	Organic Chemistry II	3 sh
CHM 213	Organic Chemistry I Lab	1 sh
CHM 214	Organic Chemistry II Lab	1 sh
CHM 125	The Chemical Literature	1 sh
CHM 205	Inorganic Chemistry	4 sh
CHM 311	Quantitative Analysis	4 sh
CHM 332	Physical Chemistry I	4 sh
CHM 461	Seminar	1 sh
MTH 121	Calculus & Analytic Geometry I	4 sh
PHY 111	General Physics I	4 sh
PHY 112	General Physics II	4 sh

(Physics 113 and 114 may be substituted for Physics 111 and 112.)

Six additional semester hours selected from other courses of which 4 sh must be from 300-400 level courses	6 sh
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TOTAL	44-48 sh
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A minor in Chemistry requires the following courses:

CHM 111	General Chemistry I	3 sh
CHM 113	General Chemistry I Lab	1 sh
CHM 112	General Chemistry II	3 sh
CHM 114	General Chemistry II Lab	1 sh
OR (in lieu of CHM 111-114)		
CHM 115	Advanced General Chemistry	3 sh
CHM 114	General Chemistry II Lab	1 sh
CHM 211	Organic Chemistry I	3 sh
CHM 212	Organic Chemistry II	3 sh

CHM 213	Organic Chemistry I Lab	1 sh
CHM 214	Organic Chemistry II Lab	1 sh
Eight to twelve additional hours to fulfill the requirement		8-12 sh
of at least 24 sh for the minor selected from:		

CHM 205	Inorganic Chemistry (4 sh)
CHM 232	Chemical Separations (2 sh)
CHM 305	Environmental Chemistry (4 sh)
CHM 311	Quantitative Analysis (4 sh)
CHM 351	Biochemistry (3 sh) and
CHM 352	Biochemistry Lab (1 sh)
CHM 471-79	Special Topics in Chemistry (2-4)

TOTAL**24 sh**

A Bachelor of Arts Degree in Chemistry/Chemical Engineering: See requirements listed in Engineering.

109**CHM 101. BASIC CONCEPTS IN CHEMISTRY***3 sh*

The course is designed to meet the math/science general studies requirement for non-science majors. The material covered includes atomic structure, chemical changes, descriptive chemistry of selected elements, introduction to organic chemistry, and how chemistry applies to consumer products and the environment. No credit given to students with prior credit for CHM 111. No credit for major/minor. Corequisite: CHM 102. Offered fall, winter, spring.

CHM 102. BASIC CONCEPTS IN CHEMISTRY LABORATORY*1 sh*

Laboratory exercises are based upon selected foundational concepts covered in CHM 101. No credit for students with prior credit for CHM 113. No credit for major/minor. Corequisite: CHM 101. Offered fall, winter, spring.

CHM 111. GENERAL CHEMISTRY I*3 sh*

This course introduces fundamental principles of chemistry with special emphasis on developing skills in quantitative reasoning. Topics include stoichiometry, nomenclature, gases, atomic structure and periodicity, and thermochemistry. Prerequisite: High school chemistry. Corequisites: MTH 111 or higher and CHM 113. Offered fall and spring.

CHM 112. GENERAL CHEMISTRY II*3 sh*

The study of fundamental chemical principles continues with chemical kinetics, liquid/solid states, chemical equilibrium (gas phase and acid/base), nuclear chemistry and electrochemistry. Prerequisite: CHM 111. Corequisite: CHM 114. Offered spring.

CHM 113. GENERAL CHEMISTRY I LABORATORY*1 sh*

The experiments offered familiarize students with basic laboratory techniques and complement topics discussed in CHM 111. Corequisite: CHM 111. Offered fall and spring.

CHM 114. GENERAL CHEMISTRY II LABORATORY*1 sh*

This course involves laboratory applications of concepts and principles discussed in CHM 112. Prerequisites: CHM 111, 113. Corequisite: CHM 112 or CHM 115. Offered spring and fall (for CHM 115 only).

CHM 115. ADVANCED GENERAL CHEMISTRY*3 sh*

This course explores fundamental principles of chemistry with an emphasis on understanding chemical concepts and quantitative reasoning. It consists of a brief review of stoichiometry, nomenclature, gases, thermochemistry, atomic structure and periodicity and more extensive coverage of chemical kinetics, electrochemistry, equilibrium sys-

tems, liquid/solid states and nuclear chemistry. This course is available for students who scored 4 or 5 on the AP chemistry exam, and for students with exemplary scores on the Toledo exam. Prerequisites: High school chemistry. Corequisite: CHM 114. Offered fall.

CHM 125. THE CHEMICAL LITERATURE 1 sh

This course is a writing-intensive course centered around an in-depth study of the different ways in which new discoveries in chemistry are communicated to members of the profession. Topics include primary and secondary sources; journals, monographs, patents, communications and reviews as well as foremost references such as *Chemical Abstracts*, *The Ring Index*, and *Science Citation Index*. Both classical and online search methods will be integrated into the required writing assignments. Prerequisite: CHM 111. Offered spring.

CHM 205. INORGANIC CHEMISTRY 4 sh

This course will be an introduction to the field of inorganic chemistry with emphasis on classical coordination chemistry, solid state chemistry, the periodic relationships of the elements, the origin of the elements, and the chemistry of hydrogen and oxygen. It will also serve as an introduction to the use of physical methods of structure determination of inorganic compounds by magnetic and spectral techniques including magnetic susceptibility, UV/VIS and IR spectroscopies and NMR spectrometry. Prerequisite: CHM 112/114 or CHM 115/114. Offered spring.

CHM 211. ORGANIC CHEMISTRY I 3 sh

Organic Chemistry introduces students to the chemistry of carbon compounds, including nomenclature, the influence of structure on physical/chemical properties, reaction mechanisms, stereochemistry, conformational analysis, synthesis and characteristic reactions of different organic compounds. Prerequisites: CHM 112/114, 115/114. Corequisite: CHM 213. Offered fall.

CHM 212. ORGANIC CHEMISTRY II 3 sh

Continuing the study of organic chemistry, this course emphasizes compounds contain-

ing oxygen or nitrogen and culminates with a survey of lipids, carbohydrates and proteins. Prerequisites: CHM 211, 213.

Corequisite: CHM 214. Offered spring.

CHM 213. ORGANIC CHEMISTRY I LABORATORY 1 sh

Laboratory work includes determination of physical properties, separation of mixtures, some structure identification and synthesis of selected organic compounds.

Prerequisites: CHM 112/114, 115/114.

Corequisite: CHM 211. Offered fall.

CHM 214. ORGANIC CHEMISTRY II LABORATORY 1 sh

Procedures include microscale synthetic methods, molecular modeling via IBM-PC and qualitative organic analysis.

Prerequisites: CHM 211, 213. Corequisite: CHM 212. Offered spring.

CHM 232. CHEMICAL SEPARATIONS 2 sh

This course is designed to examine and experimentally explore the theory and practice of chemical and physical techniques used in the separation of compounds with special emphasis on gas, liquid, and ion chromatography. Experience with and the thorough understanding of the techniques examined are applied in upper level chemistry and biology courses and courses in other disciplines. Chromatography is a major component of the course. Prerequisite: CHM 211/213. Offered spring.

CHM 305. ENVIRONMENTAL CHEMISTRY 4 sh

Environmental Chemistry provides a survey of chemical topics applying to selected pollutants in the air, water and soil. Such topics include production and diffusion, photochemical processes, techniques for analysis, acid-base and redox chemistry, environmental and biological effects. Laboratory work includes acid/base and buffer chemistry, analysis of heavy metal pollutants, sampling techniques and resistance of selected materials to certain pollutants. Satisfies the laboratory science requirement for General Studies. No credit toward B.S. degree. Prerequisites: CHM 211, 213. Offered spring of alternate years.

CHM 311. QUANTITATIVE ANALYSIS 4 sh

This course introduces chemical methods of quantitative analysis, including classical volumetric and selected instrumental methods, a discussion of error and uncertainty in measurements and elementary statistics. Discussion also covers the underlying physical and chemical theories and laws, with emphasis on chemical equilibrium. Prerequisites: CHM 111, 112. Offered fall.

CHM 332. PHYSICAL CHEMISTRY I 4 sh

The mathematical development of the physical principles in chemistry is explored. Topics include development and application of the laws of thermodynamics, equations of states, kinetic molecular theory, elementary electrochemistry and equilibria. Laboratory experiments are designed to complement lectures and include studies of phase relationships, calorimetry, and gas laws. (Three hours lecture and three hours lab per week). Prerequisites: CHM 111-114; MTH 121; PHY 112 or 114. Offered fall.

CHM 334. PHYSICAL CHEMISTRY II 4 sh

The principles of quantum mechanics are developed and illustrated by use of simple systems. Spectroscopic techniques are investigated as tools for probing structure and properties of molecules. Other topics include kinetics and group theory. Laboratory experiments are designed to complement lectures and include multiple techniques to investigate reaction kinetics, laser spectroscopy, (UV-VIS spectroscopy, and computational techniques. (Three hours lecture and three hours lab per week). Prerequisites: CHM 332, MTH 221, PHY 114. Offered spring.

CHM 351. BIOCHEMISTRY 3 sh

This is a survey of biochemistry as it relates to the physiology of organisms. Topics include biochemical methodology, buffers, proteins (structure, function and synthesis), enzymes, bioenergetics, anabolism and catabolism of carbohydrates and lipids, and metabolic regulation. Prerequisites: CHM 211, 212, 213, 214. (CHM 351 is the same as BIO 351.) Offered fall of alternate years.

CHM 352. BIOCHEMISTRY LABORATORY 1 sh

This laboratory investigates the rates of enzyme-catalyzed reactions, including the effect of enzyme inhibitors, the isolation/purification/analysis of proteins, lipids and carbohydrates and some analytical techniques used in clinical chemistry laboratories. Techniques employed include affinity chromatography, electrophoresis, gas chromatography, UV-visible spectrometry and polarimetry. Prerequisites: CHM 211, 212, 213, 214. Corequisite: CHM 351. (CHM 352 is the same as BIO 352.) Offered fall of alternate years.

CHM 421. INSTRUMENTAL ANALYSIS 4 sh

Instrumental Analysis offers theory and practice of instrumental methods, with emphasis placed on spectroscopic (UV/Vis, IR, NMR, AA), mass spectrometric and radiochemical methods of analysis. Prerequisites: CHM 334. Offered spring.

CHM 431. ADVANCED INORGANIC CHEMISTRY 4 sh

This course will begin with an accelerated review of the history of inorganic chemistry, atomic structure, and simple bond theory. It will then provide an in-depth introduction into symmetry and group theory with applications to the description of chemical bonding in molecular orbital theory. Acid-Base and Donor-Acceptor Chemistry and the descriptive chemistry of the main group elements will be followed by an in-depth survey of organometallic chemistry. The continued application of physical methods of structure determination of inorganic compounds by magnetic and spectral techniques including magnetic susceptibility, UV/Vis and IR spectroscopies and NMR spectrometry will be presented throughout the course. Prerequisites: CHM 334. Offered fall.

CHM 461. SEMINAR 1 sh

Students make presentations after they do individual library or laboratory research. Student seminars are supplemented with seminars by practicing scientists. All chemistry-oriented students are encouraged to

attend. Credit for senior majors only or by permission of the instructor. Course is two semesters in length. Students must take both semesters. Offered fall and spring.

**CHM 471-479. SPECIAL TOPICS
IN CHEMISTRY** 2-4 sh

Advanced topics offered to meet the needs and interests of students include methods in nuclear chemistry, nuclear magnetic resonance, advanced organic or polymer chemistry. Prerequisites: CHM 212/214.

CHM 481. INTERNSHIP 1-4 sh

Students gain advanced level work experience in a chemical field. Internships are offered on an individual basis when suitable opportunities can be arranged. Prerequisite: permission of department.

CHM 499. RESEARCH 1-3 sh

In collaboration with a chemistry faculty member, students undertake experimental or theoretical investigations. Prerequisite: CHM 125. Offered fall, winter, spring.

112

Classical Studies

Coordinator: Professor Gill

Classical Studies is an interdisciplinary program of studies in the languages, history, culture and heritage of the ancient and early modern world. This program gives students an opportunity for concentrated study of "Classical" ideas and practices, which form an important part of Western civilization. In addition, the program examines the way that these ideas and practices have influenced, and been modified by, later generations. A minor in Classical Studies can serve as a valuable complement to other fields, providing depth and context for a student's other courses, encouraging analytical study of primary sources, and allowing the pleasure of reading some of western civilization's greatest works.

A minor in Classical Studies requires the following:

Twenty semester hours taken from the list below and/or from other approved courses. At least eight of these semester hours must be at or above the 300-level. Courses must be chosen from at least three departments.

Acceptable courses in Classical Studies include

ART 220	Art and History: Prehistory to the Present	4 sh
ART 312	Studies in Art History [depending on appropriateness of topic]	2-4 sh
ART 343	Renaissance Art History	4 sh
ENG 221	British Literature I	4 sh
ENG 321	Classical Literature	4 sh
ENG 322	Medieval Literature	4 sh
ENG 323	Renaissance Literature	4 sh
FNA 265	Studies in Italy/ELR	4 sh
FNA 313	British Art and Architecture	4 sh
GRK 110	Beginning Greek	4 sh
GRK 210	Intermediate Greek	4 sh
GRK 310	Advanced Greek	4 sh
HST 111	Europe and the Mediterranean World to 1660	4 sh
MUS 315	The Music of Ancient Times through Mozart	4 sh
PHL 331	Ancient Philosophy	4 sh
PHL 332	Medieval Philosophy	4 sh

PHL 355	Philosophy of Religion	4 sh
POL 300	Introduction to Political Thought	4 sh
REL 111	Introduction to the Old Testament	4 sh
REL 112	Introduction to the New Testament	4 sh
REL 321	Archaeology of the Ancient Near East	4 sh
REL 322	Old Testament Prophets	4 sh
REL 329	Jesus and the Gospels	4 sh
REL 355	Philosophy of Religion	4 sh
TOTAL		20 sh

In addition to these catalog courses, occasional courses with special topics in Classical Studies will be offered. Examples include Hebrew 110, 210 and 310; HST/REL 371, The Ancient World; FRE 371 and SPN 371, Special Topics, as appropriate.

Communications

See Journalism and Communications

Computing Sciences

Chair, Department of Computing Sciences: Professor W. Hightower

Associate Professor: B. Taylor

Assistant Professors: Berry, V. Hightower

Instructor: Kleckner

Adjunct Instructors: Hudson, Metts, Patterson, Whiffen

The Computing Sciences Department of Elon College offers a major and minor in Computer Science and a minor in Computer Information Systems. A concentration area in Management Information Systems is also an option under the Business Administration major. (See Business Administration for more information on this concentration.)

The study of computer science emphasizes problem-solving techniques which translate well into the work force in this and other disciplines. Since the computer field is constantly changing, students must learn to communicate effectively and be able to adapt to new concepts and changing technology.

Computing sciences students at Elon have excellent access to both faculty and equipment. Opportunities for various work and independent learning experiences which complement classroom training are also available. Other opportunities for involvement include the student chapter of the Association for Computing Machinery (ACM), participation in regional and local programming contests, and independent study. Graduates pursue employment in many areas of industry and business as well as graduate study.

A major in Computer Science requires the following courses:

CSC 130	Computational Programming	4 sh
CSC 230	Algorithm Development	4 sh
CSC 331	Algorithm Analysis	4 sh
CSC 351	Theory of Computation	4 sh
CSC 342	Computer Organization	4 sh

CSC 435	Programming Languages/Paradigms	4 sh
CSC 441	Computer Architecture and Operating Systems	4 sh
CSC 451	Compiler Design and Implementation	4 sh
MTH 121	Calculus and Analytic Geometry I	4 sh
MTH 221	Calculus and Analytic Geometry II	4 sh
Two courses from the following:		8 sh

A probability and/or statistics course

MTH 311 Linear Algebra

MTH 321 Calculus and Analytic Geometry III

MTH/CSC 415 Numerical Analysis

MTH 421 Differential Equations

TOTAL	48 sh
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A Bachelor of Arts Degree in Computer Science/Engineering: See requirements listed in Engineering.

A minor in Computer Science requires the following courses:

CSC 130	Computational Programming	4 sh
CSC 230	Algorithm Development	4 sh

Eight semester hours of 300-400 level Computer Science

(CSC) courses 8 sh

One additional course from CSC or CIS at the 200 level or above 4 sh

TOTAL	20 sh
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A minor in Computer Information Systems requires the following courses:

CIS 216	Programming in a Visual Environment	4 sh
CIS 330	Systems Analysis and Design	4 sh
CIS 340	Systems Implementation	4 sh

Eight semester hours of CIS or CSC at any level 8 sh

TOTAL	20 sh
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Computer Information Systems

CIS 116. MICROCOMPUTER APPLICATIONS

4 sh

This course provides the fundamental background necessary to be able to adapt to new and changing computer technology as well as an understanding of the scope of that technology. The student gains basic proficiency and experience with selected widely used computer-based productivity tools (e.g. word processors, spreadsheets, database management systems, e-mail) and operating environments (e.g. DOS, Windows). The student begins the practice of making appropriate use of computer technology by working in a project setting

and will be exposed to presentation management and multimedia hypertext tools and the Internet. Offered fall and spring.

CIS 216. PROGRAMMING IN A VISUAL ENVIRONMENT

4 sh

This course utilizes a programming language with a visual development environment to implement computer applications. Common visual and data objects are incorporated into projects. Code is developed to respond to events induced on these objects by users or other code. Students design and present group and individual projects. Prerequisite: CIS 116 or permission of the instructor. Offered fall and spring.

CIS 220. COMPUTERS AND TEACHING 3 sh

Students planning teaching careers explore current trends of computing at the elementary, middle, and secondary levels. Topics cover microcomputer hardware, operational techniques, and techniques for selecting, evaluating, and implementing computer programs for educational use. Hands-on experience and projects expose students to computer assisted instruction, computer managed instruction, application software and programming languages appropriate for various grade levels and subject areas. Prerequisite: EDU 211. Offered fall, winter, and spring.

CIS 330. SYSTEMS ANALYSIS AND DESIGN 4 sh

This in-depth study of standard techniques for analyzing and designing information systems emphasizes effective written and oral communication as students analyze a system in a local company, actively participating in each phase and making on-site visits. During the design phase, students maintain contacts with real users and develop a product for implementation. Prerequisite: CIS 216. Offered fall.

CIS 340. SYSTEMS IMPLEMENTATION 4 sh

As students continue the work begun in CIS 330, they use decision support software tools such as VP Expert, GURU or Paradox to design a front-end; they run simulations on-line which model the typical working environment; and they build an interface to test, debug and implement the system. Prerequisite: CIS 330. Offered spring.

CIS 371. SPECIAL TOPICS 1-4 sh

Topics such as decision support and expert systems, data communications and networks, and COBOL programming are offered when demand is sufficient.

CIS 481. INTERNSHIP IN INFORMATION SYSTEMS 1-4 sh

Advanced work experiences in computer information systems are offered on an individual basis when suitable opportunities can be arranged. Prerequisites: CIS 340 and permission of instructor.

CIS 491. INDEPENDENT STUDY 1-4 sh**Computer Science****CSC 130. COMPUTATIONAL PROGRAMMING** 4 sh

This introduction to programming and problem solving emphasizes applications from quantitative disciplines and incorporates weekly group lab experiences. Prerequisite: MTH 111 or its exemption. Offered fall and spring.

CSC 171. SPECIAL TOPICS 1-4 sh

Students study specialized pieces of software and programming languages. Prerequisite: CSC 130.

CSC 230. ALGORITHM DEVELOPMENT 4 sh

This course continues the study of the development of algorithms and provides an introduction to the analysis of time and space complexity. Topics include program correctness, recursion, elementary data structures, modularization and program structure. Approved for advanced level designation. Prerequisite: CSC 130. Offered fall and spring.

CSC 331. ALGORITHM ANALYSIS 4 sh

Students analyze structures and appropriate algorithms for sorting, merging and searching in the contexts of mass storage devices, internal main memory and artificial intelligence applications. Topics include graph algorithms, dynamic storage allocation and garbage collection. Prerequisite: CSC 230. Offered spring.

CSC 342. COMPUTER ORGANIZATION 4 sh

Topics cover architectural levels, systems organization, digital logic, machine level, instruction formats, representation of data and computer arithmetic, assembly, linking and loading and architectural alternatives. Prerequisite: CSC 230. Offered fall.

CSC 351. THEORY OF COMPUTATION 4 sh

In this introduction to theoretical computer science and analysis of discrete mathematical structures which find application in computer science, topics may include predicate calculus, groups, coding theory, graphs, trees, formal languages, grammars, finite state

automata, Turing machines, complexity theory. CSC 351 is the same as MTH 351.

Prerequisites: CSC 130, MTH 121, 231.

Corequisite: CSC 230. Offered fall.

CSC 371. SPECIAL TOPICS 1-4 sh

Topics such as computer graphics, artificial intelligence, design of data base management systems, robotics, simulation and high performance computing are offered when demand is sufficient.

CSC 415. NUMERICAL ANALYSIS 4 sh

(Same course as described in MTH 415.)

CSC 435. PROGRAMMING LANGUAGES/PARADIGMS 4 sh

This course provides an introduction to language definition structure, data types and structures, control structures and data flow, run-time characteristics and lexical analysis and parsing. Programming assignments involve the use of several languages.

Prerequisite: CSC 331. Corequisite: CSC 351. Offered fall.

CSC 441. COMPUTER ARCHITECTURE AND OPERATING SYSTEMS 4 sh

Students study the fundamental concepts of operating systems and their relationship to computer architecture, including such topics as concurrent programming, interrupt processing, memory management, and resource allocation. Prerequisites: CSC 331 and 342. Offered spring.

CSC 451. COMPILER DESIGN AND IMPLEMENTATION 4 sh

This introduction to basic techniques of compiler design and implementation includes specification of syntax and semantics, lexical analysis, parsing and semantic processing. Prerequisite: CSC 435. Offered spring.

CSC 491. INDEPENDENT STUDY 1-4 sh

CSC 499. RESEARCH 1-4 sh

Students engage in undergraduate research under the direction of a Computing Sciences Department faculty member. Maximum of eight semester hours total credit. Prerequisites: Eligibility as determined by the undergraduate research guidelines of Elon College and approval by the department.

Cooperative Education

Director of Experiential Education: Assistant Professor P. Brumbaugh

Assistant Professors: Donathan, Jacobson, Lipe, Olive-Taylor, Orndorff, L. Rich, Swint

Instructor: J. Guffey

The Career Center offers courses designed to acquaint Elon students with the career decision-making process, to assist them in career exploration and graduate school test preparation, and to prepare them for the job search.

COE 110. EXPLORING CAREERS/MAJORS 1 sh

These group career counseling sessions assist students in choosing among college majors and career options. Topics include career decision-making skills, personal values and needs, interest and skill assessments, senior student panel discussions and workshadowing. Recommended for freshmen and sophomores. Offered fall and spring.

COE 218. GRE PREPARATION 2 sh

This course helps students prepare for the test that they will need to take prior to applying to graduate school. In addition to

familiarizing students with various types of questions on the test, this course will help students develop the reasoning skills that they need to perform well. Students will also receive instruction on the basic mathematical principles that are included on this test. Recommended only for juniors and seniors. Offered first half of spring semester.

COE 219. LSAT PREPARATION 2 sh

This course helps students prepare for the test that they will need to take prior to applying to law school. In addition to familiarizing students with various types of ques-

tions on the test, this course will help students develop the reasoning skills that they need to perform well. Students will also receive instruction on the basic mathematical principles that are included on this test. Recommended only for juniors and seniors. Offered second half of spring semester.

COE 310. SECURING A JOB 1 sh

This course helps students prepare for internships, co-ops, summer jobs and permanent employment. Students develop strategies for achieving career goals, investigate critical issues in the workplace, develop a resume and a cover letter, learn how to network and how to interview effectively. Recommended for sophomores, juniors and seniors. Offered fall and spring.

The Cooperative Education Work Experience Program enables qualified students to combine classroom theory with professional work experience while completing their degrees. The student may work full-time or part-time with an employer selected and/or approved by the college.

Credit hours are based on the number of hours worked during the term—a maximum of 16 semester hours of internship/cooperative education credits may be applied to the 132 semester hours required for the A.B. and B.S. degrees. Evaluation is based on reported job performance and student reflection on that performance through papers, journals, seminars, class presentations and readings. Contact the Director of Experiential Education for more information.

ELIGIBILITY REQUIREMENTS

Sophomore, junior or senior standing, minimum 2.0 GPA, approval of faculty/Experiential Education Director. COE 310 class recommended.

COE 381-386. CO-OP WORK EXPERIENCE

1-16 sh

This series of courses involves careful monitoring of students in either a part-time or full-time work experience. Students apply classroom theory in a job related to their major/minor/career objectives. Prerequisite: admission to the program.

117

Criminal Justice

Coordinator: Associate Professor McClearn

The Criminal Justice program engages students in the interdisciplinary study of crime and criminal justice, primarily within the United States. Students will gain an understanding of the psychological and sociological dimensions of crime as well as insights into the workings of the criminal justice system and its components. Students will study both academic and applied aspects of the field. Ethical implications and critical analysis of issues will be stressed.

A minor in Criminal Justice Studies requires the following:

PSY 357	Criminal Behavior	4 sh
SOC 355	Sociology of Crime	4 sh
HUS 359	Criminal Justice	4 sh

Eight semester hours of electives selected from the following: 8 sh

CJS 371-9	Special Topics in Criminal Justice
CJS 481	Internship in Criminal Justice
CJS 491	Independent Study
PHL 341	Philosophy of Law
POL 324	Constitutional Law II
SOC 342	Social Deviance

Other courses as approved by the program coordinator

TOTAL

20 sh

**CJS 371-379. SPECIAL TOPICS
IN CRIMINAL JUSTICE** 2-4 sh

A series of courses reflecting new contributions to the criminal justice field and in-depth treatments of topics of special interest, such as terrorism and organized crime.

Prerequisite: Junior standing and at least one core course, or permission of the instructor. Courses may be cross-listed with other disciplines.

CJS 491. INDEPENDENT STUDY 1-4 sh

Advanced study on a topic of special interest. Prerequisite: Junior standing, at least one core course, and approval of instructor and program coordinator.

CJS 499. RESEARCH 1-4 sh

In collaboration with a faculty member, students undertake an empirical or theoretical study of a topic in the realm of criminal justice studies. Research projects may include a review of the relevant research literature, data collection and analysis, and a presentation or report when the study is completed. Prerequisite: Junior standing, at least one core course, and approval of instructor and program coordinator. A completed research proposal form completed by the student in conjunction with the faculty member is required for registration.

**CJS 481. INTERNSHIP IN
CRIMINAL JUSTICE** 2-4 sh

Students apply classroom knowledge to a law enforcement setting. Internships in a criminal justice setting taken from other disciplines might substitute for CJS 481; approval for any such substitutions must be obtained from program coordinator before registration. Prerequisite: Junior standing and at least one core course, and approval of instructor and program coordinator.

Dance

Chair, Department of Performing Arts: Associate Professor McNeela

Assistant Professor: Sabo, Wellford

Adjunct Instructors: Hutchins, Kinzer, Medler, Walker, Wheeler

The primary goal of this program is to foster a love and understanding of dance in all its forms. Therefore, students minoring in Dance will spend time learning both in and out of the studio.

Studio technique classes range from beginning to advanced level and include ballet, modern, jazz and tap. Students in the minor program are required to complete at least the beginning level in three of these areas and at least an intermediate level in two areas.

Students round out their training with History of Dance and Choreography classes. Numerous performance opportunities are also available through Elon Dancers (student dance organization), choreographic showings, major dance concerts, musicals and various other events.

A minor in Dance requires the following courses:

DAN 301	History of Dance	4 sh
DAN 430	Dance Choreography	4 sh

In addition, each minor must complete the following:

- (a) six studio technique classes in three of the following: ballet, jazz, modern or tap 6 sh
- (b) electives selected from dance offerings 6 sh
(At least 2 sh at the 300-400 level)

TOTAL

20 sh

DAN 101. INTRODUCTION TO DANCE 4 sh

Students explore dance history, creative processes of dance and basic dance movement vocabulary. Offered fall or spring.

DAN 104. BEGINNING MODERN DANCE 1 sh

Students with little or no previous experience in modern dance learn the basic movement vocabulary of modern dance while working on style, musicality, strength, flexibility and correct alignment. A student must master the competencies of Beginning Modern Dance as outlined in departmental syllabus before advancing to DAN 204. May be repeated for credit. Offered fall and spring.

DAN 105. BEGINNING TAP 1 sh

The student will be introduced to the basics of rhythm tap, including technique, traditional movement vocabulary, rhythmic sensibility, history and the development of individual style. May be repeated for credit. Offered fall and spring.

DAN 106. BEGINNING BALLET 1 sh

Students with little or no previous experience in ballet learn the basic movement vocabulary of modern ballet while working on style, musicality, strength, flexibility and correct alignment. A student must master the competencies of Beginning Ballet as outlined in departmental syllabus before advancing to DAN 206. May be repeated for credit. Offered fall and spring.

DAN 107. BEGINNING JAZZ 1 sh

Students with little or no previous dance experience learn the basic movement vocabulary of jazz while working on style, musicality, strength, flexibility and correct alignment. A student must master the competencies of Beginning Jazz as outlined in departmental syllabus before advancing to DAN 207. It is recommended that a beginning student complete DAN 104 and DAN 106 before taking DAN 107. May be repeated for credit. Offered fall and spring.

DAN 115. FOLK, SQUARE AND SOCIAL DANCE 1 sh

This course introduces the student to vari-

ous folk, square and social dance forms through analysis, demonstration and practice, with the objective being knowledge of the characteristics of each form and ability to participate in each.

DAN 150. DANCE FOR THE MUSICAL STAGE I 1 sh

This course is designed for the incoming music theatre major. Levels and abilities will be assessed, alignment corrected, fundamental dance technique and conditioning exercises taught and drilled in order to ready the student for dance technique and styles classes required by their major. Students will also learn fundamental locomotor skills and the basic techniques required for jumping and turning. Dance combinations stressing steps and styles historically and traditionally used in the music theatre will be taught to a variety of musical styles. Stress is placed on giving the student a new awareness of and comfort with his or her body: to condition it, to gain the ability to apply dance technique and to learn to express musicality in a physical way. No prerequisite. For music theatre majors only. To be taken in the fall of the music theatre major's first year.

DAN 204. INTERMEDIATE MODERN DANCE 1 sh

Students who have mastered the competencies of Beginning Modern Dance further develop and refine technique and increase strength and flexibility in this class.

Enhanced musicality and creative expression are stressed. A student must master the competencies of Intermediate Modern Dance as outlined in departmental syllabus before moving to DAN 304. May be repeated for credit. Prerequisite: DAN 104 or permission of instructor. Offered fall or spring.

DAN 205. INTERMEDIATE TAP 1 sh

This course continues to focus on the aspects of DAN 105 plus the introduction of contemporary vocabulary, flash work, improvisation, polyrhythms and choreography. May be repeated for credit. Prerequisite: DAN 105 or permission of instructor. Offered fall or spring.

DAN 206. INTERMEDIATE BALLET 1 sh

Students who have mastered the competencies of Beginning Ballet further develop and refine technique and increase strength and flexibility in this class. Enhanced musicality and creative expression are stressed. May be repeated for credit. Prerequisite: DAN 106 or permission of instructor. Offered fall or spring.

DAN 207. INTERMEDIATE JAZZ 1 sh

Students with two or more years of dance training further develop and refine technique and increase strength and flexibility in this class. Enhanced musicality and creative expression are important elements of the course. A student must master the competencies of Intermediate Jazz as outlined in departmental syllabus before moving to DAN 307. May be repeated for credit. Prerequisite: DAN 107 or permission of instructor. Offered fall or spring.

DAN 223. DANCE ENSEMBLE 1 sh

Students accepted into this course will perform in departmental dance activities and must be co-registered in a technique class, preferably at the intermediate or advanced level. Admission by audition only. Offered spring.

DAN 301. HISTORY OF DANCE 4 sh

Students explore the evolution of dance as an art from its beginning to 20th century trends. Dance as a performing art and dance as a social and educational art will be covered in this course. Students learn through lectures, discussions, experiential dances and two research projects. Offered alternate years.

DAN 304. ADVANCED MODERN DANCE 1 sh

Students who have mastered the competencies of Intermediate Modern Dance further develop and refine skills in this class. Enhanced physical strength and flexibility are combined with stress upon musicality and creative expression. May be repeated for credit. Prerequisite: DAN 204 and permission of instructor. Offered fall or spring.

DAN 305. ADVANCED TAP 1 sh

A continuation of the skills developed in

DAN 205 with an intense focus on rhythmic sensibility, development of personal style, choreography and improvisation. Prerequisite: DAN 205 and permission of instructor. May be repeated for credit. Offered fall or spring.

DAN 306. ADVANCED BALLET 1 sh

Students who have mastered the competencies of Intermediate Ballet further develop and refine technical skills in this class. May be repeated for credit. Prerequisite: DAN 206 and permission of instructor. Offered fall or spring.

DAN 307. ADVANCED JAZZ 1 sh

Students who have mastered the competencies of Intermediate Jazz further develop and refine technical skills in this class. May be repeated for credit. Prerequisite: DAN 207 and permission of instructor. Offered fall or spring.

DAN 310. ADVANCED PROJECTS IN DANCE 2-4 sh

For this in-depth study of a special topic, the advanced dancer may be given a performance assignment to demonstrate advanced proficiency in the field (i.e., dance captain for a theatre production, major choreographic duties in department productions, major role in guest choreographer's concert piece, internship at local dance studio culminating in both performance and choreographic work, or an independent research project). Prerequisite: advance permission of instructor.

DAN 320. SPECIAL TOPICS IN DANCE 4 sh

Topics for this in-depth study vary each semester it is offered and may include Black Theatre & Dance, Dance in Worship, etc. May be repeated for credit.

DAN 420. DANCE FOR MUSICAL STAGE II 1 sh

As they become familiar with various music theatre styles from selected historical periods, students also learn dance audition and performance methods for music theatre. Prerequisite: DAN 105, 107 and permission of instructor. Offered fall or spring.

DAN 430. DANCE CHOREOGRAPHY 4 sh

Students explore the tools used to create dance, namely movement, time, space, shape, design, dynamics, sound, text properties and visual effects. This course is designed for stu-

dents with previous dance experience. Not open to freshmen except in unusual circumstances. **Prerequisite:** at least two dance technique classes or permission of instructor. Offered fall or spring.

Drama

See Theatre Arts

Economics**The Martha and Spencer Love School of Business**

Dean of Love School of Business: Professor Burbridge

Chair, Department of Economics: Assistant Professor Lilly

Professor: Tiemann

Associate Professor: Barbour

Assistant Professors: P. Das, DeLoach, Redington, Swift

Economics explores a broad range of questions about society and uses a wide variety of methods to answer those questions. The courses offered by the Economics Department are designed to help students develop economic reasoning — a particular way of looking at the world that is useful in government service, business, the law and many other fields.

The goal of the economics faculty is to teach students to “think like an economist.” This goal is achieved within an extremely flexible major. The department has defined specific tracks that will help students apply their knowledge in a number of areas and help achieve their aspirations. While the tracks provide a suggested framework of classes for students with varied interests, a track is not required for either a major or a minor in economics. The financial economics track would help if a student plans a future in finance or banking; the international economics track for those interested in international careers; the public policy track if the interest is in government service; the economic analysis track for those in market analysis; and the mathematical economics track for students interested in graduate school.

A major in Economics requires the following courses:

MTH 116	Applied Mathematics with Calculus	4 sh or
MTH 121	Calculus and Analytic Geometry I	4 sh
ECO 201	Principles of Economics	4 sh
ECO 202	Statistics for Economics and Business	4 sh
ECO 310	Intermediate Macroeconomic Theory	4 sh
ECO 311	Intermediate Microeconomic Theory	4 sh
ECO 498	Senior Thesis Research in Economics	2 sh

Twenty hours ECO electives at the 300–400 level, with: 20 sh

at least four hours from courses designated

Applied Macroeconomics (ECO 302, 314)

at least four hours from courses designated

Applied Microeconomics (ECO 301, 335, 421, 432)

at least four hours from the 400 level.

No more than eight hours of travel, internship, independent study and research credit may be counted toward economics elective credit.

TOTAL

42 sh

A minor in Economics requires the following courses:

ECO 201 Principles of Economics 4 sh

One course from the following: 4 sh

ECO 310 Intermediate Macroeconomic Theory

ECO 311 Intermediate Microeconomic Theory

Twelve hours from ECO electives, MTH 114 or SSC 285 12 sh

No more than four hours of travel, internship, independent study and research credit may be counted toward economics elective credit.

122

TOTAL**20 sh****ECO 201. PRINCIPLES OF ECONOMICS 4 sh**

An introduction to the fundamentals of both microeconomics and macroeconomics, including supply and demand, the theory of the firm, consumer behavior, macroeconomic equilibrium, unemployment and inflation. The course also introduces students to economic methodology, including creating arguments, empirical verification and policy decision-making. Prerequisites: MTH 110 or higher, or placement in MTH 116 or higher. Offered fall, spring and summer.

ECO 202. STATISTICS FOR ECONOMICS AND BUSINESS 4 sh

Statistics for Economics and Business focuses on the collection, presentation, analysis and interpretation of statistical data. Among the topics covered are: descriptive tools for frequency distributions, central tendency and dispersion; sampling theory and sampling distributions; and techniques for statistical inference, including estimation and hypothesis testing and linear regression. Prerequisite: MTH 116 or higher. No credit for both MTH 114 and ECO 202. Offered fall, spring and summer.

ECO 271. SEMINAR: ECONOMIC ISSUES 1-4 sh

A series of courses covering contemporary issues in economics not otherwise covered in the curriculum. The topics will vary around a common theme of timeliness. These courses are appropriate to students from across the college irrespective of major or level.

ECO 301. BUSINESS ECONOMICS 4 sh

Business Economics focuses on where firms fit in the analysis of market activity, how

economists see the problem of organizing economic activity, understanding when markets solve that problem and why they sometimes do not, and how businesses have emerged as a response to the organization problem. *Applied Microeconomics*. Prerequisites: ECO 201 and 202 (or MTH 114). Offered fall, spring and summer.

ECO 302. MONEY AND BANKING 4 sh

Students learn about the history and structure of the U.S. financial system. Exploration of the interaction between the primary financial markets – money, bonds and foreign exchange – is fundamental to this understanding. The theory and conduct of monetary policy is also developed, with particular attention paid to the evolution of the international monetary system. *Applied Macroeconomics*. Prerequisites: ECO 201 and 202 (or MTH 114). Offered spring.

ECO 310. INTERMEDIATE MACROECONOMIC THEORY 4 sh

This course concentrates on the theory of economic growth and the business cycle. Building on the simple Keynesian spending model, the IS-LM general equilibrium model is developed. Current policy debates, as well as debates within the discipline are explored and evaluated. Particular emphasis will be placed on the interaction of the theoretical and empirical components of macroeconomics. Prerequisites: ECO 201 and 202 (or MTH 114). Offered fall.

ECO 311. INTERMEDIATE MICROECONOMIC THEORY 4 sh

With this study of how individual agents, both firms and households, interact in various kinds of markets, students gain a better

understanding of household economic behavior, firm behavior and the conditions under which prices can most effectively allocate scarce resources. Prerequisites: ECO 201 and 202 (or MTH 114). Offered spring.

ECO 314. INTERNATIONAL TRADE AND FINANCE

4 sh

This course focuses on how policies implemented by a country, both in trade and finance, influence its welfare at home and abroad. Topics in trade include specialization and gains from trade, determinants of trade patterns, the role of increased globalization on a nation's competitiveness and its distribution of income, the political economy of protectionism at the national, regional (NAFTA, EU), and international (WTO) levels as well as the use of trade policies to influence development and growth. Topics in finance include balance on international payments, the foreign exchange market, the economic policy adjustments under fixed and flexible exchange rates and focuses on the problems of international finance and international investments across countries. *Applied Macroeconomics*. Prerequisite: ECO 201.

ECO 315. ECONOMIC HISTORY

4 sh

This course introduces and analyzes the importance of economic issues in the history of nations and regions. In the words of J.M. Keynes "indeed the world is driven by little else." The course is structured so that work will focus on a particular region of the world. The over-arching objective of the course is to develop students' appreciation of the importance of economic activity and economic structures in the historical development of society. Prerequisites: Junior standing or ECO 201.

ECO 317. THE ECONOMICS OF GENDER

4 sh

This course is designed to help students investigate the economic status of women in the labor market, how that role has changed over time and the differences between labor market outcomes for both men and women. It involves a comparison of women and men with respect to labor supply (market and non-market work), wage rates, occupa-

tional choices, unemployment levels, and the changing role of work and family. Topics include discrimination, pay inequity, occupational segregation, traditional and nontraditional work, resource ownership, poverty, race, the global economic status of women and finally public policy issues such as comparable worth and family friendly policies designed to bridge the gap between women and men. Prerequisites: Junior standing or ECO 201.

ECO 335. THE ECONOMICS OF ENVIRONMENTAL ISSUES

4 sh

This course explores the interactions of economic forces and policies with environmental issues. What are the costs of pollution and what are we buying for those costs? Who bears the burden of environmental damage? How might we reduce environmental impact and how do we decide how much damage is appropriate? *Applied Microeconomics*. Prerequisite: ECO 201.

ECO 347. STATISTICAL ANALYSIS

4 sh

Students examine applications of statistical techniques for analyzing variance and covariance, chi-square, simple and multiple correlation and regression, interpretation of standard designs used in scientific research, non-parametric tests, time series analysis and decision theory. Prerequisites: ECO 202 (or MTH 114) and MTH 116 or higher or permission of instructor.

ECO 348. MATHEMATICAL ECONOMICS

4 sh

This course is designed to provide students in economics and mathematics with an opportunity to learn and use the tools of economics in the manner in which they are employed in the profession. While mathematical techniques such as constrained optimization and multi-dimensional modeling will be taught, the principle aim of the course is to develop students' facility with using mathematics as a basis for economic reasoning. Prerequisites: ECO 202 (or MTH 114) and MTH 116 or higher or permission of instructor.

ECO 351. EUROPEAN UNION STUDY TOUR

4 sh

This travel course is an opportunity to see

the development of the largest single economic unit ever to exist on Earth through the eyes of those who live within it. While traveling through the EU students meet with people who are directly involved in the day-to-day operation of the European Union bureaucracy, and with those who have had a hand in the negotiations that have resulted in the formation of the European Union. Students meet with scholars who have studied the European Union and its likely impacts on various economic, political and social aspects of daily life, both within the European Union and in the rest of the world. The class meets with small business owners who have been and continue to be affected by the developments of the European Union. In addition we meet with representatives of the United States government and of United States businesses in the European Union. This course is a companion course with BUS 366, which is limited to business majors, and GST 274, which is open to all students. Prerequisite: ECO 201. Enrollment limited to economics majors. This course may not be used to fulfill Advanced General Studies requirements for the college general studies component. Offered in winter term only.

ECO 352. CAFÉ EUROPA: EASTERN EUROPE IN TRANSITION

4 sh

The end of the communist era began a painful process of economic transition across central and eastern Europe. In this course, students travel in this region and spend time meeting with students and professors to learn about how each nation is dealing with this process of change. Though each country must deal with some of the same issues, such as macroeconomic stabilization, privatization, restructuring and legal reform, their experiences have been markedly different. One objective is to explore the interaction between these policy goals and the country-specific factors that have had an effect on their success. This course is a companion course with BUS 366, which is limited to business majors, and GST 257, which is open to all students. Prerequisite: ECO 201. Enrollment limited to economics majors. This course may not be used to fulfill

Advanced General Studies requirements for the college general studies component.

Offered in winter term only.

ECO 371. SPECIAL TOPICS IN ECONOMICS

1-4 sh

A series of courses reflecting new contributions in economics or specialized areas not otherwise covered in the curriculum. Topics have included "Starting a Small Business," "The European Union via the Internet" and "The Economics of Sport." Prerequisites: Will vary with the topic but will generally include junior standing or ECO 201 and 202.

ECO 381. INTERNSHIP IN ECONOMICS

1-8 sh

This course provides opportunities for students to apply concepts and information gathered in the economics classroom to actual experience in the community. Placements may include businesses, not-for-profit organizations or teaching assistants in lower-division economics classes. Prerequisites: Junior standing or ECO 201 and 202 or permission of instructor. Offered fall, winter, spring and summer.

ECO 391. INDEPENDENT STUDY

1-4 sh

Students pursuing the major or minor in economics may complete individual study in an area of special interest that is not otherwise covered in regular course offerings. Study is to be undertaken under the guidance of a member of the economics faculty. An Independent Study form must be completed prior to registration. Prerequisites: Junior standing or ECO 201 and 202 or permission of instructor. Offered fall, winter, spring and summer.

ECO 399. RESEARCH IN ECONOMICS

1-4 sh

In collaboration with an economics faculty member, students undertake an empirical or theoretical study of a topic in economics. Research topics may include a review of the relevant research literature, data collection and analysis and a presentation or report when the study is completed. A research proposal form, completed by the student in conjunction with the faculty member is required for registration. Students may register for 1-4 hours of credit per semester and may register for more than one semester

of research. Prerequisites: Junior standing or ECO 201 and 202 (or MTH 114). Offered fall, winter, spring and summer.

ECO 411. HISTORY OF ECONOMIC THOUGHT

4 sh

Students survey the evolution of economic thought from antiquity to the present and learn to identify and critically evaluate various schools of economic thought. In particular, students will develop a sense of economics as part of the larger sweep of intellectual advancement and the place thoughts about matters economic occupy in human knowledge. Prerequisites: Completion or concurrent enrollment in ECO 310 and 311 or permission of instructor.

ECO 421. INDUSTRIAL ORGANIZATION AND REGULATION

4 sh

Industrial organization is a policy course concerned with the structure of firms and markets and their interactions. Real world market frictions such as limited information, transaction costs, costs of adjusting prices, advertising and research and development expenses, government actions, and barriers to entry by new firms into a market will be examined. This course offers a critical understanding of specific industries such as computers, airline, automobile, telecommunications, etc. Students study how firms in such industries strategically react to rivals and customers, and further examine the impact of antitrust regulation, public utility regulation and social regulation on American business. *Applied Microeconomics*. Prerequisites: Completion or concurrent enrollment in ECO 310 and ECO 311 or permission of instructor.

ECO 430. EXPERIMENTAL ECONOMICS

4 sh

This course will develop your ability to learn from experience. We will explore the general principles of experimental design, and review the history of experimental economics. The primary student task in the course will be to design, implement, analyze and describe a significant experiment. We will use the statistical software SAS to analyze the data. No previous experience with SAS is needed. Prerequisites: Completion or

concurrent enrollment in ECO 310 and 311 or permission of instructor.

ECO 432. PUBLIC FINANCE

4 sh

This course exists at the interface of economics and political science. The principle issue is an examination of the question: "What is the proper role of government in the economic sphere?" Specific topics include optimal taxation, tax incidence, expenditure analysis, how governments decide among alternative programs, public production and bureaucracy, and equity-efficiency tradeoffs. The course deals with the relationships among governments at the federal, state and local levels from both theoretical and applied perspectives. Applications vary from year to year, but will likely include health care, defense, social insurance, welfare and education. *Applied Microeconomics*. Prerequisites: Completion or concurrent enrollment in ECO 310 and 311 or permission of instructor.

ECO 471. ADVANCED SPECIAL TOPICS IN ECONOMICS

1-4 sh

A series of courses reflecting new contributions in economics or specialized areas not otherwise covered in the curriculum.

Prerequisites: Will vary with the topic but will generally include completion or concurrent enrollment in ECO 310 and 311. Offered fall, winter and spring.

ECO 481. ADVANCED INTERNSHIP IN ECONOMICS

1-4 sh

This course provides opportunities for students to apply concepts and information gathered in the economics classroom to actual experience in the community. Placements may include businesses, not-for-profit organizations or teaching assistants in lower-division economics classes. Prerequisites: Will vary with the topic but will generally include completion or concurrent enrollment in ECO 310 and ECO 311 or permission of instructor. Enrollment limited to economics majors. Offered fall, winter, spring and summer.

ECO 491. ADVANCED INDEPENDENT STUDY

1-4 sh

Students pursuing the major or minor in

economics may complete individual study in an area of special interest that is not otherwise covered in regular course offerings. Study is to be undertaken under the guidance of a member of the economics faculty. An Independent Study form must be completed prior to registration. Prerequisites: Will vary with the topic but will generally include completion or concurrent enrollment in ECO 310 and ECO 311 or permission of instructor. Enrollment limited to economics majors. Offered fall, winter, spring and summer.

ECO 498. SENIOR THESIS

2-4 sh

This is the culmination of the economics major and serves as the student's required comprehensive evaluation in the major field of study. For this research project, economics majors work individually with a professor to build on work done in previous courses, culminating in a work of presentation quality. The completed work is to be

presented in a public forum such as SURE, national or regional professional society meetings, or at a campus-level economics symposium. In addition all students are to present their work before the collected faculty, students and guests of the economics department. Prerequisites: ECO 310, 311, and eight additional hours of economics numbered 300 or above; senior economics major.

ECO 499. ADVANCED RESEARCH

1-4 sh

Students engage in advanced undergraduate research under the direction of an economics department faculty member. Predominately this course will be restricted to economics majors and will be in preparation for their senior thesis. Maximum of eight semester hours total credit. Prerequisites: Eligibility as determined by the undergraduate research guidelines of Elon College and approval by the department. Enrollment limited to economics majors.

Education

Chair, Department of Education: Associate Professor Beamon

Professors: Dillashaw, Simon

Associate Professors: Bass, Howard, Wooten

Assistant Professors: DeBique-Richards, Morgan, Rice, Stuart, Thurlow

Elon's education program prepares teachers for careers in the elementary, middle and high school grades. The program emphasizes practical hands-on experience as well as educational theory and methods classes on campus. Yearly field experiences in public school classrooms begin the first year and culminate with a semester of full-time teaching in the student's preferred licensure area.

Elon is widely recognized for the success of its teacher education program, which is accredited by the National Council for Accreditation of Teacher Education, and is one of only two private colleges in the state selected to offer the prestigious N.C. Teaching Fellows Program.

Elon College offers programs leading to N.C. licensure in Elementary Education, Middle Grades Education, Special Education (Specific Learning Disabilities), special subject areas for grades K-12 and in seven areas at the secondary level. The goal of the undergraduate program in Education is to foster in the student:

- the knowledge of the purposes of education and the role of the school in our democratic society
- the understanding of the role of the teacher as decision maker

- the knowledge and skills required for developing competence in the various teacher roles
- a belief in the dignity and worth of each individual
- the knowledge of the process of human growth and development
- the knowledge of planning for instruction utilizing various teaching methodologies, materials and organizational patterns
- knowledge of the subject matter in school curriculum
- competence in evaluating student learning
- the knowledge and skills necessary to maintain a classroom environment that facilitates learning and to accommodate the learning needs of exceptional and culturally diverse students
- a desire for professional affiliation, lifelong learning and continuing professional growth and development

The student who successfully completes any of the teacher education programs at Elon College will be eligible for licensure to teach in North Carolina. The State of North Carolina is party to the Interstate Certification Compact which qualifies Elon College graduates also to be licensed in all states party to this Compact.

Currently there are 26 states which have entered into this reciprocity agreement. Any student planning to teach in a state not a part of the Interstate Certification Compact should obtain a copy of the licensure requirements for a public school teacher from the State Superintendent of Education of the state in which the student plans to teach.

Before being admitted into the Teacher Education Program, the student must make application to the program, be recommended by the appropriate major department, be interviewed and approved by the Teacher Education Committee and meet minimum score requirements on the Pre-Professional Skills Tests. *North Carolina requires the following minimum scores: PPST Reading-176; PPST Mathematics-173; and PPST Writing-173 and a GPA of 2.5 for all coursework completed at the time of admission. The minimum GPA of 2.5 must be maintained to continue in the program.

In all cases, approval for admission to the program is subject to the discretion of the Teacher Education Committee, which bases its decision not only on the above factors, but also on satisfactory command of standard English usage (written and oral) and mental, physical, moral and emotional acceptability for teaching. The Teacher Education Committee may, at its discretion, dismiss a student from the Teacher Education Program.

Application forms for the Teacher Education Program are available in the office of the School of Education and must be filed by September 15 or February 15 of the semester immediately prior to the beginning of the student's junior year. A student must be unconditionally admitted to the program before being permitted to take education courses beyond the 200 level. Exceptions to this policy must be approved by the Dean, School of Education.

To be recommended for teacher licensure, a student must meet all academic requirements and have a GPA minimum of 2.5. A student must also meet the minimum score on the Principles of Learning and Teaching test (North Carolina requires a minimum score of 160) and the Specialty Area Test (minimum scores for this test vary with content area) and have a recommendation from the school system in which student teaching was completed.

All students who are education majors or who already hold a Bachelor's degree and are

* All students planning to teach in a state other than North Carolina must contact the appropriate state's Department of Public Instruction and secure its standards for appropriate requirements.

seeking only licensure are subject to the decisions and regulations of the N.C. State Board of Education. These decisions and regulations are binding on the student on the date and time specified by the Board.

At Elon College, the teacher education programs are fully approved by the N.C. State Board of Education. While a student ordinarily may graduate and be licensed under the catalog requirements in effect at the time the student is admitted to the Teacher Education Program, the Board may mandate changes in standards of approved teacher education programs, requiring students to modify or add to their original degree programs to be eligible for licensure upon completion of graduation requirements. Students should consult their advisor about current program requirements.

128

A major in Elementary Education consists of the courses necessary to meet the requirements for Elementary Education (K-6) licensure in the public schools of North Carolina. The following courses are required of all Elementary Education majors.

ENG 250	Interpretations of Literature	4 sh
ENG 398	Children's Literature	4 sh
FNA 369	Fine Arts in the Public Schools	4 sh
HED 362	Healthful Living in the Elementary School	3 sh
HST 112	Europe and the Mediterranean World since 1660	4 sh
HST 123	The U.S. and N.C. since 1865	4 sh
GEO 131	The World's Regions	4 sh
POL 111	American Government	4 sh
BIO 101	Topics in General Biology	3 sh
BIO 102	General Biology Lab	1 sh
CHM 101/102	Basic Concepts in Chemistry/Lab	4 sh or
PHY 110	Energy and the Environment	4 sh
PHY 102	Introduction to Astronomy	4 sh or
PHY 103	Introduction to Geology	4 sh
PSY 321	Educational Psychology	4 sh
MTH 210	Mathematics for Elementary and Middle Grades Teachers (GS Math requirement is a prerequisite)	4 sh
CIS 220	Computers and Teaching	3 sh
EDU 211	Introduction to Education with Practicum	4 sh
EDU 321	Reading in the Elementary School	4 sh
EDU 361	Communication Skills Methods and Materials for Elementary Teachers	4 sh
EDU 363	Social Studies Methods and Materials for Elementary Teachers	4 sh
EDU 430	Foundations of Education	3 sh
EDU 450	Meeting Special Learning Needs of Children	3 sh
EDU 465	Mathematics Methods and Materials for Elementary Teachers	4 sh
EDU 467	Science Methods and Materials for Elementary Teachers	4 sh

EDU 480	Student Teaching Seminar	2 sh
EDU 481	Supervised Observation and Student Teaching	10 sh

TOTAL		96 sh
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A major in Middle Grades Education consists of the courses necessary to meet the requirements for Middle Grades (6-9) licensure in the public schools of North Carolina. The following Core Courses are required of all Middle Grades Majors:

FNA 369	Fine Arts in the Public Schools	4 sh
CIS 220	Computers and Teaching	3 sh
PSY 321	Educational Psychology	4 sh
EDU 211	Introduction to Education with Practicum	4 sh
EDU 322	Reading in the Content Areas	2 sh
EDU 430	Foundations of Education	3 sh
EDU 441	Curriculum and Instruction in the Middle Grades	3 sh
EDU 450	Meeting Special Learning Needs of Children	3 sh
EDU 480	Student Teaching Seminar	2 sh
EDU 481	Supervised Observation and Student Teaching	10 sh
Two subject area concentrations		54-60 sh

TOTAL		92-98 sh
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In addition to the Core Courses, a student majoring in Middle Grades Education must select two subject area concentrations from the following:

Communication Skills Concentration

ENG 205	English Grammar	4 sh
ENG 224	American Literature II	4 sh
ENG 250	Interpretations of Literature	4 sh
ENG 319	Writing Center Workshop	4 sh
ENG 399	Young Adult Literature	4 sh
EDU 421	Methods and Materials of Teaching	
	High School English	4 sh

One course from the following: 4 sh

- ENG 238 African-American Literature before 1945
- ENG 239 African-American Literature since 1945
- ENG 359 African-American Novels
- ENG 363 Literature and Culture: India, Africa & West Indies

TOTAL		28 sh
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Social Studies Concentration

ECO 201	Principles of Economics	4 sh
GEO 131	The World's Regions	4 sh
HST 112	Europe and the Mediterranean World since 1660	4 sh
HST 122	United States History since 1865	4 sh
HST 221	The World in the Twentieth Century	4 sh
HST 361	North Carolina in the Nation	4 sh

POL 111	American Government	4 sh
EDU 364	Social Studies Methods and Materials for Teachers	4 sh
EDU 425	Materials and Methods of Teaching High School Social Studies	4 sh

TOTAL		32 sh
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Mathematics Concentration

MTH 110	The Nature of Mathematics	4 sh
MTH 114	Elementary Statistics	4 sh
MTH 115	College Algebra with Elementary Functions	4 sh
MTH 121	Calculus and Analytic Geometry I	4 sh
MTH 221	Calculus and Analytic Geometry II	4 sh
MTH 210	Mathematics for Elementary and Middle Grades Teachers	4 sh
EDU 422	Materials and Methods of Teaching Middle Grades and Secondary Mathematics	4 sh

TOTAL		28 sh
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Science Concentration

BIO 101	Topics in General Biology	3 sh
BIO 102	General Biology Lab	1 sh
BIO 121	Biological Diversity	4 sh
CHM 111	General Chemistry I	3 sh
CHM 113	General Chemistry Lab	1 sh
PHY 110	Energy and the Environment	4 sh
PHY 102	Introduction to Astronomy	4 sh
PHY 103	Introduction to Geology	4 sh
EDU 424	Materials and Methods of Teaching Middle Grades and Secondary Science	4 sh

TOTAL		28 sh
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A major in Special Education (Specific Learning Disabilities) consists of the courses necessary to meet the requirements for Special Education (K-12) licensure in the public schools of North Carolina. The following courses are required of all Special Education majors.

ENG 250	Interpretations of Literature	4 sh
FNA 369	Fine Arts in the Public Schools	4 sh
HED 362	Healthful Living in the Elementary School	3 sh
HST 112	Europe and the Mediterranean World since 1660	4 sh
HST 123	The U.S. and N.C. since 1865	4 sh
GEO 131	The World's Regions	4 sh
POL 111	American Government	4 sh
BIO 101	Topics in General Biology	3 sh
BIO 102	General Biology Lab	1 sh

CHM 101/102	Basic Concepts in Chemistry/Lab	4 sh or
PHY 110	Energy and the Environment	4 sh
PSY 321	Educational Psychology	4 sh
MTH 210	Mathematics for Elementary and Middle Grades Teachers (GS Math requirement is a prerequisite)	4 sh
CIS 220	Computers and Teaching	3 sh
EDU 211	Introduction to Education with Practicum	4 sh
EDU 321	Reading in the Elementary School	4 sh
EDU 342	Historical, Legal, and Educational Aspects of Special Education	3 sh
EDU 345	Planning and Managing the Learning Environment	3 sh
EDU 347	Nature and Needs of Students with Learning Disabilities	3 sh
EDU 361	Communication Skills Methods and Materials for Elementary Teachers	4 sh
EDU 363	Social Studies Methods and Materials for Elementary Teachers	4 sh
EDU 430	Foundations of Education	3 sh
EDU 435	Assessment Methods, Use and Interpretations	3 sh
EDU 443	Specialized Instructional Methods and Materials	3 sh
EDU 465	Mathematics Methods and Materials for Elementary Teachers	4 sh
EDU 467	Science Methods and Materials for Elementary Teachers	4 sh
EDU 480	Student Teaching Seminar	2 sh
EDU 481	Supervised Observation and Student Teaching	10 sh
TOTAL		100 sh

The student planning to teach at the high school level completes a major in a discipline and the necessary Professional Studies courses for teacher licensure at the secondary level (grades 9 - 12). Secondary Education Licensure is available in Biology, Chemistry, Comprehensive Science, English, History, Mathematics, Physics, and Social Studies. Specific requirements for each program are listed with the appropriate department in this catalog. In general, the following Professional Studies courses must be satisfactorily completed:

EDU 211	Introduction to Education with Practicum	4 sh
EDU 322	Reading in the Content Areas	2 sh
Choose an appropriate methods course:		4 sh
EDU 421	Materials and Methods of Teaching High School English	
EDU 422	Materials and Methods of Teaching Middle Grades and Secondary Mathematics	
EDU 424	Materials and Methods of Teaching Middle Grades and Secondary Science	
EDU 425	Materials and Methods of Teaching High School Social Studies	

EDU 430	Foundations of Education	3 sh
EDU 450	Meeting Special Learning Needs of Children	3 sh
EDU 480	Student Teaching Seminar	2 sh
EDU 481	Supervised Observation and Student Teaching	10 sh
CIS 220	Computers and Teaching (Not required for Mathematics Education majors)	3 sh
PSY 321	Educational Psychology	4 sh
TOTAL		35 sh

132

Programs leading to licensure in Special Subject Areas (K-12) level are available in French, Health Education, Music Education, Physical Education, and Spanish. Specific requirements for these programs are listed with the appropriate department in this catalog. In general, the following Professional Studies courses must be satisfactorily completed:

EDU 211	Introduction to Education with Practicum	4 sh
EDU 322	Reading in the Content Areas	2 sh
One of the following courses:		4 sh
EDU 423	Materials and Methods of Teaching Physical Education	
EDU 427	Materials and Methods of Teaching Health and Safety	
EDU 428	Materials and Methods of Teaching Foreign Languages	
MUS 461	Music Education in the Public Schools	
EDU 430	Foundations of Education	3 sh
EDU 450	Meeting Special Learning Needs of Children (Not required for Physical Education majors)	3 sh
EDU 480	Student Teaching Seminar	2 sh
EDU 481	Supervised Observation and Student Teaching	10 sh
CIS 220	Computers and Teaching	3 sh
PSY 321	Educational Psychology	4 sh

EDU 211. INTRODUCTION TO EDUCATION WITH PRACTICUM

4 sh

This introduction to the concepts of teaching and the teacher's role as a decision maker uses a combination of classroom instruction and practical experiences. Prospective teachers gain greater understanding of the teaching profession and develop an awareness of students' characteristics and needs. Offered fall, winter and spring.

EDU 321. READING IN THE ELEMENTARY SCHOOL

4 sh

Study focuses on developing the philosophical framework, knowledge, and methodology necessary for planning learning experiences to enhance students' language devel-

opment. Key course components include theory and process, pedagogy, assessment, the learner and professional development. Prerequisites: EDU 211, PSY 321. Offered fall and spring.

EDU 322. READING IN THE CONTENT AREAS

2 sh

The focus of this course is on reading strategies to guide middle school and high school instruction. Prospective teachers apply readability formulas to content area readings and design activities to promote vocabulary development, comprehension, study skills and writing to learn. Prerequisites: EDU 211, PSY 321. Offered fall and spring.

**EDU 342. HISTORICAL, LEGAL,
EDUCATIONAL ASPECTS
OF SPECIAL EDUCATION***3 sh*

This course will address the importance of the historical evolution of the field of special education, including philosophical foundations, legal underpinnings, and current trends. The learning and behavioral characteristics of the various categories of exceptionality will be identified, and issues in definition and identification procedures will be explored. Major theories will be examined in terms of their educational implications for exceptional children. Offered fall.

**EDU 345. PLANNING AND MANAGING THE
LEARNING ENVIRONMENT***3 sh*

This course will review basic classroom management theories, methods and techniques for students with exceptional learning needs. Attention will be given to ways of applying behavioral modification programs appropriately in order to manage individual and group behavior. Strategies for establishing a positive and supportive learning environment will be explored along with skills for integrating special students in various settings. Offered spring.

**EDU 347. NATURE AND NEEDS
OF STUDENTS WITH
LEARNING DISABILITIES***3 sh*

A course designed to consider the specific area of disability in depth, including etiology, prevalence and characteristics. This course will review and analyze current practice and research on issues relating to the education of students with learning disabilities. Historical and legal aspects pertaining to the particular area of disability will be reviewed as well. Offered winter.

**EDU 361. COMMUNICATION SKILLS,
METHODS AND MATERIALS
FOR ELEMENTARY TEACHERS***4 sh*

Students learn how to investigate, evaluate, and select content, methods and materials used in organizing and teaching communication skills in elementary school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course.

Prerequisites: EDU 211, PSY 321. Offered fall and spring.

**EDU 363. SOCIAL STUDIES METHODS AND
MATERIALS FOR ELEMENTARY
TEACHERS***4 sh*

This course enables students to investigate, evaluate and select content, methods and materials used in organizing and teaching social studies in elementary school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, PSY 321. Offered fall and spring.

**EDU 421. MATERIALS AND METHODS
OF TEACHING HIGH SCHOOL
ENGLISH***4 sh*

In this study of the content and organization of the English curriculum with emphasis on methods and materials used in teaching literature, language skills, and composition, students review print and non-print media, create lesson and unit plans, lead classroom discussions and conduct teaching demonstrations. Public school classroom observation and assistance are required. Prerequisites: EDU 211, PSY 321. Offered fall semester.

**EDU 422. MATERIALS AND METHODS OF
TEACHING MIDDLE GRADES AND
SECONDARY MATHEMATICS***4 sh*

Students study the objectives and content of the mathematics curriculum in grades 6-12, including the materials, techniques, and methods of evaluation used in teaching mathematics in middle and high school grades. A practicum in the public schools is required. Prerequisites: EDU 211, PSY 321. Offered fall semester.

**EDU 423. MATERIALS AND METHODS
OF TEACHING PHYSICAL
EDUCATION***4 sh*

This course covers the methods, materials, and techniques of teaching physical education, including organization and planning of the total curriculum and daily programs. Students also observe and conduct activity classes. Public school practicum required. Prerequisites: EDU 211, PSY 321. Offered fall semester.

EDU 424. MATERIALS AND METHODS OF TEACHING MIDDLE GRADES AND SECONDARY SCIENCE 4 sh

Students develop, select and evaluate content, methods and materials used in teaching science at the middle or high school level. Study examines current trends in teaching the natural sciences and addresses safety concerns. Observations and practicum in middle and/or high schools required. Prerequisites: EDU 211, PSY 321. Offered fall semester.

EDU 425. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL SOCIAL STUDIES 4 sh

A study of the materials and methods of teaching social studies, emphasizing planning, organization, objectives and evaluation. Public school practicum required. Prerequisite: EDU 211, PSY 321. Offered fall semester.

EDU 427. MATERIALS AND METHODS OF TEACHING HEALTH AND SAFETY 4 sh

This course emphasizes methods of curriculum planning, analyzing and developing content area, unit plans and teaching approaches for all levels of school (K-12). Public school practicum required. Prerequisites: EDU 211, PSY 321. Offered fall semester, odd numbered years.

EDU 428. MATERIALS AND METHODS OF TEACHING FOREIGN LANGUAGES 4 sh

This study of the content and organization of the foreign language curriculum in the public schools emphasizes methods and materials used in teaching at all levels (K-12) and covers how teaching the four basic skills and the target culture varies at each level. Students discuss theories of planning, instruction, choice of materials and evaluation and gain practical experience by participating in a public school classroom. Prerequisites: EDU 211, PSY 321. Offered fall semester.

EDU 430. FOUNDATIONS OF EDUCATION 3 sh

This foundations course is a study of the historical development and philosophical basis for public education in the U.S., including the role and influence of schools in society and the teachers role as it has emerged from the philosophies, practices and policies of public education. Offered fall and spring.

EDU 435. ASSESSMENT METHODS, USE AND INTERPRETATION 3 sh

This course will concentrate on the assessment and evaluation of special needs students. The different purposes of assessment will be explored through both formal and informal measures. Skills will include developing and administering a variety of instruments, interpreting and using assessment data in instructional planning and recognizing the limitations of test instruments, especially as related to cultural and linguistic issues. Current methodologies will be explored, including a variety of authentic assessment procedures. Offered fall.

EDU 441. CURRICULUM AND INSTRUCTION IN THE MIDDLE GRADES 3 sh

This study of historical and contemporary curricula and instruction in middle and junior high schools, emphasizes the special curricular and instructional needs of the pre- and early adolescent and explores various programs to teach 11- to 14-year-olds academic and personal skills and concepts. Prerequisite: EDU 211. Offered fall semester.

EDU 443. SPECIALIZED INSTRUCTIONAL METHODS AND MATERIALS 3 sh

Current literature on effective instructional practice will be used as the basis for developing advanced skills necessary to plan and implement instruction for special needs students. Materials will be examined and evaluated in terms of their usefulness for exceptional students. Ways to adapt materials and modify curriculum will be investigated. An emphasis will be placed on the utilization of assessment results in planning instruction. Offered spring.

EDU 450. MEETING SPECIAL LEARNING NEEDS OF CHILDREN 3 sh

This course prepares teachers for using individualized programs for students with special learning needs. Students survey the literature related to instruction of these students, including assessing individual needs and modes of learning with implications for mainstreamed classroom teaching. Offered fall and spring.

EDU 465. MATHEMATICS METHODS AND MATERIALS FOR ELEMENTARY TEACHERS 4 sh

This course enables students to investigate, evaluate and select content, methods and materials used in organizing and teaching mathematics in elementary school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, PSY 321. Offered fall and spring.

EDU 467. SCIENCE METHODS AND MATERIALS FOR ELEMENTARY TEACHERS 4 sh

This course enables students to investigate, evaluate and select content, methods and materials used in organizing and teaching science in elementary school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, PSY 321. Offered fall and spring.

EDU 480. STUDENT TEACHING SEMINAR 2 sh

This seminar focuses on classroom management strategies, legal aspects of teaching, the teacher as decision maker and creating a professional development plan. Must be taken concurrently with EDU 481. Offered fall and spring.

EDU 481. SUPERVISED OBSERVATION AND STUDENT TEACHING 10 sh

Students experience the classroom full-time for one semester, with periodic conferences with the college supervisor(s) and the classroom teacher(s). The student becomes acquainted with the duties and observes the methods and activities of an experienced teacher, with gradual induction into full-time teaching responsibilities. Corequisite: EDU 480. Prerequisites: EDU 211, 430 and grade of C or better in appropriate methods course(s). Offered fall and spring.

EDU 499. RESEARCH 1-4 sh

Students engage in undergraduate research under the direction of an Education Department faculty member. Maximum of eight semester hours total credit. Prerequisites: Eligibility as determined by the undergraduate research guidelines of Elon College and approved by the department.

135

Engineering

Coordinator: Associate Professor D'Amato

Engineering means problem-solving. An engineer may be solving problems dealing with energy, space exploration, environmental issues, product manufacturing, construction or any number of interesting areas of study. Possible engineering degrees include: aerospace engineering, biomedical engineering, chemical engineering, civil engineering, computer engineering, electrical engineering, environmental engineering, industrial engineering, materials science and engineering, mechanical engineering, nuclear engineering, and textile engineering.

The unique dual degree engineering programs at Elon supports students in working toward two degrees — one from Elon and one from an engineering university. Elon currently has an affiliation with North Carolina State University and is working on agreements with other institutions. The student will complete three years at Elon. These years will include a full array of science, mathematics, computer science and general studies courses

along with their discipline specific courses. Also included will be engineering courses every fall and spring taught by engineering faculty. After these three years at Elon, the student will transfer to an engineering university for two more years. Upon completion of these five years (three at Elon and two at an accredited engineering university) a student will receive a B.S. degree from Elon in engineering physics, engineering mathematics or an A.B. degree in chemistry, computer science/engineering, and a B.S. degree from the engineering school in an engineering area of their choice. Students must complete Elon's General Studies Program requirements and one of the options listed below.

Degree requirements

136

All dual degree engineering programs require the following core courses:

CHM 111	General Chemistry I	3 sh
CHM 113	General Chemistry I Lab	1 sh
CHM 112	General Chemistry II	3 sh
CHM 114	General Chemistry II Lab	1 sh
PHY 113	General Physics I w/Calculus	4 sh
PHY 114	General Physics II w/Calculus	4 sh
MTH 121	Calculus and Analytic Geometry I	4 sh
MTH 221	Calculus and Analytic Geometry II	4 sh
MTH 321	Calculus and Analytic Geometry III	4 sh
MTH 421	Differential Equations	4 sh
CSC 130	Computational Programming	4 sh

TOTAL		36 sh
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Engineering Foundations

EGR 101	Intro to Engineering	1 sh
EGR 102	Intro to Engineering Design	1 sh
EGR 206	Eng Mechanics - Statics	3 sh
EGR 208	Eng Mechanics - Dynamics	3 sh
EGR/PHY 211	Circuit Analysis	3 sh
EGR/PHY 212	Circuit Analysis Lab	1 sh
EGR/PHY 310	Engineering Thermodynamics	4 sh

TOTAL		16 sh
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Select from the following four options:

I. Engineering Physics

PHY 213	Intro to Modern Physics	4 sh
PHY 311	Classical Electrodynamics	4 sh
8 sh of physics at the 300-400 level (excluding PHY 305)		8 sh

TOTAL		16 sh
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II. Engineering Mathematics

MTH 231	Mathematical Reasoning	4 sh
MTH 311	Linear Algebra	4 sh
MTH 312	Abstract Algebra	4 sh
MTH 341	Probability Theory and Statistics	4 sh

MTH 415	Numerical Analysis	4 sh
CSC 230	Algorithm Development	4 sh
TOTAL		24 sh

III. Computer Science/Engineering

MTH 231	Mathematical Reasoning	4 sh
CSC 230	Algorithm Development	4 sh
CSC 331	Algorithm Analysis	4 sh
CSC 342	Computer Organization	4 sh
CSC 351	Theory of Computation	4 sh
CSC 441	Computer Architecture & Operating Systems	4 sh
TOTAL		24 sh

In addition, one senior level course in programming languages at another institution (if electrical or computer engineering). For another engineering degree, an additional 400-level CSC course is required.

IV. Chemistry/Chemical Engineering

CHM 125	The Chemical Literature	1 sh
CHM 205	Inorganic Chemistry I	4 sh
CHM 211	Organic Chemistry I	3 sh
CHM 213	Organic Chemistry Lab I	1 sh
CHM 212	Organic Chemistry II	3 sh
CHM 214	Organic Chemistry Lab II	1 sh
CHM 311	Quantitative Analysis	4 sh
CHM 332	Physical Chemistry I	4 sh
CHM 461	Senior Seminar	1 sh
TOTAL		22 sh

EGR 101. INTRODUCTION TO ENGINEERING

1 sh

General information on engineering disciplines, common engineering practices, the engineering profession and history, engineering education, engineering design, engineering ethics and engineering opportunities will be provided by the instructor and/or invited speakers. Offered fall.

EGR 102. INTRODUCTION

TO ENGINEERING DESIGN

1 sh

The design process, including creativity and invention will be discussed. The course will introduce the students to some of the quantitative tools engineers use in solving problems, such as spreadsheets, computer graphics and

computer models. Students will design and construct a term project that will be presented by teams of students. Offered spring.

EGR 206. ENGINEERING MECHANICS - STATICS

3 sh

This course is designed to introduce students to the effects of forces on bodies in static equilibrium and to familiarize them with mathematical techniques for finding reactive forces in bodies, frames, mechanics and trusses. Concepts covered include forces, moments, couples, equilibrium of rigid bodies, centroids, moments of inertia and friction resistance. Prerequisite: PHY 113. Corequisite: MTH 221. Offered fall.

EGR 208. ENGINEERING MECHANICS - DYNAMICS

3 sh

Kinematics and kinetics of particles in rectangular, cylindrical and curvilinear coordinate systems; energy and momentum methods for particles; kinetics of systems of particles; kinematics and kinetics of rigid bodies in two and three dimensions; motion relative to rotating coordinate systems. Prerequisites: EGR 206 and MTH 221. Corequisite: MTH 321. Offered spring.

EGR 211. CIRCUIT ANALYSIS

3 sh

This course is an introduction to the theory, analysis and design of electric circuits. Studies include circuit parameters and elements: voltage, current, power, energy, resistance, capacitance, inductance. Also included is the application of Kirchhoff's laws to simple and complex circuits and the study of

the steady-state and transient response of circuits to pulse, step, and periodic inputs. Prerequisites: MTH 221 and PHY 114. Corequisite: EGR/PHY 212. Offered fall.

EGR 212. CIRCUIT ANALYSIS LAB

1 sh

This course involves laboratory application of concepts and principles discussed in EGR 211. Corequisite: EGR/PHY 211. Offered fall.

EGR 310. ENGINEERING THERMODYNAMICS

4 sh

Introduction to the concept of energy and the laws governing the transfers and transformations of energy. Emphasis on thermodynamic properties and First and Second Law analysis of systems and control volumes. Integration of these concepts into the analysis of basic power cycles is introduced. Prerequisites: MTH 321 and PHY 114. Offered spring.

English

Chair, Department of English: Associate Professor Mackay

Professors: Angyal, Blake, Bland, Gill, Haskell, Lyday-Lee

Associate Professors: Boyd, Boyle, Braye, Cassebaum, Gordon, Schwind, Warman

Assistant Professors: Chapman, Myers, Peebles, Strickland, Torke

The field of English involves the theoretical study of literature, language and writing, as well as the practice of literary criticism and analysis, creative writing and other kinds of writing. The English department provides a balanced curriculum that includes all these elements. A group of six core courses in literature, language study and writing beyond the freshman level ensures that English majors have experience in the three principal areas of the discipline. In addition to the common core, the English curriculum also encourages majors to follow their own talents and interests by requiring one of four distinct concentrations: literature, professional writing and rhetoric, creative writing or English teacher licensure. Minors in literature and creative writing, along with an interdisciplinary minor in professional writing, are additional options.

A NOTE ON THE GENERAL STUDIES LITERATURE COURSE REQUIREMENT

With the exception of film studies courses, English department courses in the 220-279 and 320-379 range normally fulfill the General Studies literature requirement in Liberal Studies.

English department courses in the 200-219 and 300-319 range (i.e., courses in language study, writing, and creative writing) do NOT normally fulfill that requirement.

A major in English requires 40-42 semester hours. The **core requirements**, above ENG 110, are:

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|---|------|
| An ENG 200-level literature course | 4 sh |
| (English Teacher Licensure majors must take ENG 221, British Literature I or ENG 222, British Literature II. If British Literature II is chosen, English Teacher Licensure majors MUST take EITHER ENG 342, Shakespeare: The Tragedies OR ENG 343, Shakespeare: The Comedies, as their author course.) | |
| An ENG 200-level or above writing course (ENG 210-219; 310-319) | 4 sh |
| (English Teacher Licensure majors must take ENG 319, Writing Center Workshop.) | |
| An ENG 200-level or above language course (ENG 200-209; 300-309) | 4 sh |
| (English Teacher Licensure majors must take ENG 205, Grammar. Professional Writing and Rhetoric majors should take either ENG 204 or ENG 304.) | |
| Three ENG 300-400 level literature courses: | |
| One historical studies course (ENG 320-329) | 4 sh |
| (English Teacher Licensure majors who do NOT take ENG 331, Advanced World Literature, MUST take ENG 321, Classical Literature.) | |
| One cultural studies course (ENG 330-339) | 4 sh |
| (English Teacher Licensure majors who do NOT take ENG 321, Classical Literature, MUST take ENG 331, Advanced World Literature.) | |
| One author course (ENG 340-349) | 4 sh |
| (English Teacher Licensure majors MUST take ENG 342, Shakespeare: The Tragedies OR ENG 343, Shakespeare: The Comedies, if they do NOT take ENG 221, British Literature I.) | |

Students must also complete one of the following concentrations:

Literature Concentration

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|---|------|
| One additional historical studies course (ENG 320-329) | 4 sh |
| Two additional 300-400 level English electives, at least ONE of which must be literature. | 8 sh |
| ENG 495 Senior Seminar | 4 sh |

TOTAL	40 sh
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Professional Writing and Rhetoric Concentration

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|--|------|
| One theory course* chosen from | 4 sh |
| ENG 204 Survey of Professional Writing and Rhetoric | |
| ENG 304 Topics in Professional Writing and Rhetoric | |
| One applied course chosen from | 4 sh |
| ENG 211 Writing for the Professions | |
| ENG 311 Document Research,
Management and Production | |
| ENG 318 Scientific and Technical Communication | |
| ENG 319 Writing Center Workshop | |

*Note: The theory course should be included in the core requirements.

Two electives* chosen from	8 sh
ENG 282, 381, 314, 315, 316, 317	
Possible interdisciplinary electives, with advisor's approval, may be chosen from ART 263, 363; BUS 302; JCM 327, 328, 333, 387.	

*Note: English electives may also include any of the applied courses listed above.

ENG 495 Senior Seminar: Writing	4 sh
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TOTAL	40 sh
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Teacher Licensure Concentration

ENG 302 History of the English Language	4 sh
ENG 223 American Literature I	4 sh or
ENG 224 American Literature II	4 sh
A 300-400 level literature elective	4 sh
JCM 210 Public Speaking	2 sh
ENG 495 Senior Seminar	4 sh
Set of Professional education courses	35 sh

TOTAL	77 sh
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Creative Writing Concentration

Three creative writing courses	12 sh
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Acceptable courses include: ENG 213, ENG 214, ENG 314,
ENG 315, ENG 316, ENG 317, THE 330, JCM 326.

Note: If students choose a creative writing course to meet the ENG 200-level writing requirement in the English major core, they will be required to take only 8 sh of further creative writing courses. They may then substitute one 4 sh English elective for the third Creative Writing course.

ENG 495 Senior Seminar	4 sh
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TOTAL	40 sh
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A minor in English requires the following courses above ENG 110.

Students may choose either a literature minor or one of the writing minors.

Literature Minor

ENG 250 Interpretations of Literature	4 sh
One ENG language course or one ENG writing course beyond English 110	4 sh
Three ENG literature courses, at least two of which should be at the 300-400 level	12 sh

TOTAL	20 sh
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Writing Minor

The writing minors are tailored to meet students' career plans and interests. The minor consists of twenty hours. Of that twenty hours, at least twelve must be from performance courses. In performance courses, the fundamental objective is the development of students' writing abilities. Theory courses focus on the theoretical study of some aspect of language and language use rather than on actual writing practice.

Professional Writing Minor: See Professional Writing Studies

Creative Writing Minor

Three or more of the following: 12-20 sh

- ENG 213 Creative Writing
- ENG 214 Creative Writing: Poetry (Winter Term)
- ENG 315 Advanced Nonfiction Writing
- ENG 316 Advanced Creative Writing: Poetry
- ENG 317 Advanced Creative Writing: Fiction
- JCM 326 Feature Writing
- THE 330 Playwriting

Zero to two of the following courses: 0-8 sh

Any English literature or foreign literature course beyond the general studies requirement

TOTAL 20 sh

ENG 100. INTRODUCTION TO COLLEGE WRITING 4 sh

This is a writing workshop focusing on invention, organization, revision and editing skills. A grade of "C-" or better required for admission to ENG 110. Elective credit only. Offered fall.

ENG 106. ANALYTICAL READING 4 sh

Analytical reading is a course designed to help students understand, analyze and retain college level reading material. Elective credit only. Offered fall.

ENG 110. COLLEGE WRITING 4 sh

In this first-year course emphasizing invention, peer response, revising and editing, students learn to develop and make assertions, support them with appropriate evidence, and present them in public form. Students also learn that the style and content of their writing will affect their success in influencing audiences. A grade of "C-" or better required for graduation. Offered fall and spring.

ENG 204. SURVEY OF PROFESSIONAL WRITING AND RHETORIC 4 sh

This course is a survey of theories and practices of writing from ancient Greece to the contemporary workplace. The course prepares students to see writing broadly as a culturally situated form of social action and production. Prerequisite: ENG 110.

ENG 205. GRAMMAR 4 sh

This study of the English language includes the evolution of prescriptive and descriptive grammars, terminology, parts of speech and function, grammatical structures, and correct usage of standard written English. Prerequisite: ENG 110.

ENG 210. WRITING WORKSHOP 4 sh

This course builds upon the objectives for English 110 (College Writing) and offers students the opportunity to devise their own writing projects. It provides a workshop setting for intensive practice in writing, response and revision, along with reading in the theory of writing and rhetoric. Prerequisite: ENG 110.

ENG 211. WRITING FOR THE PROFESSIONS 4 sh

This course introduces students to the history, technology and practice of the various forms of professional writing, and is designed for students from many different disciplines. The course focuses on *transactional* writing or discourse that aims to get things done: to inform, persuade or instruct people; this is the writing that goes on in the world of work. Prerequisite: ENG 110.

ENG 213. CREATIVE WRITING 4 sh

For this workshop, students interested in writing poems and short stories may be assigned additional texts for discussion of

technique or form. Prerequisite: ENG 110. Offered fall and spring.

ENG 214. CREATIVE WRITING:

POETRY READING/WRITING 4 sh

Along with readings of 20th century British, Irish and American poetry, students from all levels spend equal amounts of time discussing their own and others' poems. Study also includes reading quizzes, writing journals and poetry assignments. Prerequisite: ENG 110.

ENG 221. BRITISH LITERATURE I 4 sh

This study of British literature in its social and cultural contexts emphasizes the close reading of texts from the Anglo-Saxon, Medieval and Renaissance periods through the Enlightenment. Prerequisite: ENG 110. Offered fall and spring.

ENG 222. BRITISH LITERATURE II 4 sh

This study of British literature in its social and cultural contexts—from the Romantic, Victorian and Modernist periods through the present—emphasizes the close reading of texts representing the diversity of modern British literary expression. Prerequisite: ENG 110. Offered fall and spring.

ENG 223. AMERICAN LITERATURE I 4 sh

This study of American literature in its social and cultural contexts—from Colonial and Revolutionary periods through the Romantic period—emphasizes the close reading of texts to examine American literary culture from its origins to the post-Civil War era. Prerequisite: ENG 110. Offered fall and spring.

ENG 224. AMERICAN LITERATURE II 4 sh

This study of American literature in its social and cultural contexts—from the post-Civil War era, Progressive and Modernist periods up to the present—involves close reading of selected texts to stress the expansion of the American literary canon. Prerequisite: ENG 110. Offered fall and spring.

ENG 231. INTRODUCTION TO WORLD LITERATURE

4 sh

This course provides an introduction to the study of selected works from European,

Asian, African and Latin American literatures (in English translation) with emphasis on literary traditions and genres. Prerequisite: ENG 110. Offered spring of alternate years.

ENG 238. AFRICAN-AMERICAN LITERATURE PRE-1945

4 sh

This course traces the development of the themes of protest, accommodation and escapism found in fiction, poetry and drama of African-American writers before 1945. Prerequisite: ENG 110. Offered fall of alternate years.

ENG 239. AFRICAN-AMERICAN LITERATURE SINCE 1945

4 sh

An examination of works by major African-American writers since 1945 focuses on making connections between writers. Prerequisite: ENG 110. Offered spring of alternate years.

ENG 250. INTERPRETATIONS OF LITERATURE

4 sh

Interpretations of Literature employs different critical approaches to interpret and evaluate poetry, drama and fiction from a variety of cultures. Prerequisite: ENG 110. Offered fall and spring.

ENG 251. ENGLISH STUDIES IN BRITAIN 4 sh

A study-tour based in London emphasizes the theatre and places of literary and cultural importance. The course includes excursions to such places as Stratford-upon-Avon, Stonehenge and Canterbury. Winter term only. No credit toward English minor.

ENG 266. LITERATURE OF TERROR AND THE SUPERNATURAL

4 sh

A study of the elements of terror and the supernatural in selected literary works that are designed to inspire fear. Representative authors include Samuel Taylor Coleridge, Edgar Allan Poe, Henry James and Stephen King. Extensive use of videos. Offered in winter. Prerequisite: ENG 110.

ENG 282. PRACTICUM IN ENGLISH 1-3 sh

This course provides opportunities for students to observe and record different types of writing produced in an office or business. Prerequisite: ENG 110, permission of

instructor and advance arrangement. No credit toward General Studies requirements.

LANGUAGE STUDY: GROUP I

This selection of courses centers on studies in the structure and historical development of the English language and in the theory of rhetoric and composition.

ENG 302. HISTORY OF THE ENGLISH LANGUAGE

4 sh

This study traces the historical development of the English language from its Indo-European origins to the present.

Prerequisite: ENG 110. Offered fall.

ENG 303. LINGUISTICS

4 sh

Linguistics is the study of the systems of language, including the phonology, morphology, semantics and varieties (social and regional) of the English language.

Prerequisite: ENG 110.

ENG 304. TOPICS IN PROFESSIONAL WRITING AND RHETORIC

4 sh

This course will be grounded in argumentative discourse and communication principles based on ideas and teaching from contemporary and ancient rhetorical theorists.

While the topical focus of the course will vary, the emphasis, as in any writing course, would include a structured process of planning—the creation of document design including the matter of language in conjunction with images and graphics.

Prerequisite: ENG 110.

ENG 305. AMERICAN ENGLISH

4 sh

This course examines the development of American English — from the 16th-century influences of Jamestown and Massachusetts settlers to Creoles developing along the Mexican border and in Florida. Study includes regional and social varieties of English, phonetics and literature that employs dialects. Prerequisite: ENG 110.

ADVANCED WRITING: GROUP II

Courses in this group are specifically designed to provide practice in different kinds of writing beyond the introductory level.

ENG 311. DOCUMENT RESEARCH, MANAGEMENT AND PRODUCTION

4 sh

This course introduces students to research methods, project management principles and document production processes needed for effective practice in professional writing contexts. (It emphasizes a rhetorical approach to professional writing — i.e., writing is understood as a human, social action, or a way of acting with and to others through written symbols.) Through hands-on course projects, students gain confidence in their ability to research, manage and produce documents in a variety of contexts, and they acquire and practice a rhetorical stance toward professional writing.

Prerequisite: ENG 110.

ENG 314. ADVANCED CREATIVE WRITING: SCREENPLAY

4 sh

This course focuses on the format, strategies and techniques for constructing effective, saleable feature-length screenplays. While devoting a large share of time to traditional concerns such as plot formulation, character development and dialog, students also learn how to write letters of query, script treatments and summaries with a logline. To facilitate their emergence as effective screenwriters, students develop critical appreciation by reading and evaluating published scripts and each other's work; they also analyze significant movies. Prerequisite: ENG 110 and either ENG 213 or instructor's permission.

ENG 315. ADVANCED NONFICTION WRITING (Selected Focus)

4 sh

In this writing workshop, students develop a specific aspect of writing ability (e.g., voice, stylistics) or practice a particular type of writing (e.g., essay, biography, travel writing). Focus changes each semester.

Prerequisite: ENG 110. Offered spring of alternate years.

ENG 316. ADVANCED CREATIVE WRITING: POETRY

4 sh

This advanced workshop, centered around students' poems, also includes study of 20th century poetry (occasionally earlier) to learn

poetic techniques and to recognize the many possibilities of poetic forms, subjects and voices. Prerequisite: ENG 213 or 214, or permission of instructor. Offered fall.

ENG 317. ADVANCED CREATIVE

WRITING: FICTION

4 sh

This advanced workshop, centered around students' stories, also includes study of 20th century fiction (occasionally earlier) to learn techniques and to recognize possibilities for point of view, characterization, structure and diction. Prerequisite: ENG 213 or 214, or permission of instructor. Offered spring.

ENG 318. SCIENTIFIC AND

TECHNICAL

COMMUNICATION

4 sh

This course examines the complex nature and practice of scientific and technical discourse. Although open to anyone with an interest in this topic, the course is designed especially for a) students majoring in the sciences who want to improve the professional writing skills necessary for successful careers in their chosen fields, and b) students majoring in writing or communication who wish to pursue careers as technical and scientific communicators. Prerequisite: ENG 110.

ENG 319. WRITING CENTER WORKSHOP

4 sh

The Writing Center Workshop enhances students' writing ability while they learn to tutor writing. Students are required to tutor four hours each week in Elon's Writing Center. Strong writing abilities and interpersonal skills recommended. Prerequisite: ENG 110. Offered fall and spring.

HISTORICAL STUDIES: GROUP III

Courses in this group explore literature in historical, interdisciplinary and cross-cultural contexts.

ENG 321. CLASSICAL LITERATURE

4 sh

This study of ancient Greek and Roman literature and culture includes authors such as Homer, Plato, Sophocles, Ovid and Virgil, with readings from mythology, the great epics of the Trojan War, drama, philosophy and lyric in modern translations. Prerequisite: ENG 110. Offered fall of alternate years.

ENG 322. MEDIEVAL LITERATURE

4 sh

This study of literature and culture of the European Middle Ages includes authors such as Dante, Chretien de Troyes, Chaucer and Malory, with readings from modern translations of epics such as Beowulf or The Song of Roland, poetry about love or religious experience such as The Divine Comedy, or narratives about adventure and chivalry, such as legends of King Arthur. Prerequisite: ENG 110.

ENG 323. RENAISSANCE LITERATURE

4 sh

This study of British and Continental literature and culture of the 16th and early 17th centuries includes authors such as Sidney, Marlowe, Montaigne, Shakespeare and Cervantes. Readings in Renaissance English from Elizabethan and Jacobean drama, sonnet sequences, lyric and narrative poems and precursors of the modern novel, such as *Don Quixote*. Prerequisite: ENG 110.

ENG 324. ENLIGHTENMENT

4 sh

This study focuses on the great works of British, Continental and American literature during an age of reason and sensibility marked by industrial, scientific and political revolutions. Prerequisite: ENG 110.

ENG 325. ROMANTICISM

4 sh

Romanticism provides an interdisciplinary study of British, American and Continental Romantic literature in the context of art, music (especially opera), cultural life and intellectual history. Prerequisite: ENG 110.

ENG 326. REALISM AND THE LATER 19TH CENTURY

4 sh

This study involves an interdisciplinary look at British, American and Continental literary movements (realism, naturalism, symbolism and aestheticism), including reading selected masterworks in the context of the intellectual and cultural life of the period. Prerequisite: ENG 110.

ENG 327. 17TH CENTURY LITERATURE

4 sh

This study of "The Century of Genius" includes works by British and Continental authors who ushered in the modern world. Prerequisite: ENG 110.

ENG 328. MODERNISM 4 sh
 This interdisciplinary study of modernism as a dominant intellectual movement of the 20th century explores topics such as alienation, the artist's role, the primitive, consciousness and the unconscious, human rights and the post modern. The literature is supplemented by art, music and philosophical texts. Prerequisite: ENG 110.

CULTURAL STUDIES: GROUP IV
 Courses in this group emphasize the study of literature in its cultural context, often from the perspective of a particular social group. Regional, gender, ethnic and class issues are all possible concentrations.

ENG 330. APPALACHIAN LITERATURE 4 sh
 A survey of 19th and 20th century Appalachian poetry, short and long fiction, drama, music, film and culture. Prerequisite: ENG 110.

ENG 331. ADVANCED WORLD LITERATURE 4 sh
 Advanced study of selected works of European, Asian, African and Latin American literatures (in English translation), from historical and cultural critical perspectives. Offered fall of alternate years. Prerequisite: ENG 110.

ENG 332. LITERATURE OF THE SOUTH 4 sh
 Emphasis is given to major 20th century writers in this study of Southern literature, its background and themes. Prerequisite: ENG 110.

ENG 333. WOMEN IN LITERATURE: FEMINIST APPROACHES 4 sh
 Women In Literature studies modern and traditional works of literature interpreted or reinterpreted from the perspective of feminist literary theories. Prerequisite: ENG 110.

ENG 334. NATIVE AMERICAN LITERATURE 4 sh
 In an introduction to American Indian literature from the 18th century through the present, study includes special emphasis on contemporary writers of the Native

American Renaissance. Prerequisite: ENG 110.

ENG 335. STUDIES IN CONTEMPORARY LITERATURE 4 sh
 A study of contemporary literature includes such topics as the French anti-novel, absurdist drama, metafiction and "magic realism." Prerequisite: ENG 110.

ENG 336. HEMINGWAY AND THE EXPATRIATES 4 sh
 A study of the life and work of expatriates in Paris immediately after World War I. Particular emphasis is given to Ernest Hemingway. Prerequisite: ENG 110.

ENG 337. ASIAN LITERATURE OF SOCIAL CHANGE 4 sh
 This course explores revolutionary democratic movements outside of the American tradition by studying 20th century Asian poetry, fiction and films, primarily of China and India. Offered irregularly. Prerequisite: ENG 110.

ENG 338. THE AFRICAN EXPERIENCE IN LITERATURE 4 sh
 A study of the literature of a variety of African countries, in relation to Africa's cultural traditions and its transition to modernity. Genres may include fiction, plays, poems, autobiographies and oral literature. Offered fall of alternate years. Prerequisite: ENG 110.

ENG 339. AMERICAN ENVIRONMENTAL WRITERS 4 sh
 A study of the major American environmental and natural history writers, with close attention to issues of environmental ethics, aesthetics of nature and cultural attitudes towards the environment. The authors include Thoreau, Muir, Leopold, Carson, Abbey, Lopez, Wilson and Snyder. The course will emphasize the growing ethical and aesthetic appreciation of nature in American culture and how the insights of environmental writers can be used to address the environmental crisis. Offered spring of alternate years. Prerequisite: ENG 110.

AUTHOR COURSES: GROUP V

Courses in this group focus on the works of individual authors who have captured and continue to hold the imaginations of readers. Typical offerings include Hawthorne, Melville, Poe, Hardy, Dickinson, Cather and those listed below.

ENG 341. CHAUCER 4 sh

A close study of Chaucer's major works in the context of their medieval intellectual and cultural background includes the greater portion of *The Canterbury Tales*, the dream visions, and *Troilus and Criseyde*. Prerequisite: ENG 110.

ENG 342. SHAKESPEARE: THE TRAGEDIES 4 sh

This study of Shakespeare's tragedies examines representative works within their intellectual, cultural and theatrical contexts. Prerequisite: ENG 110.

ENG 343. SHAKESPEARE: THE COMEDIES 4 sh

This study of Shakespeare's comedies examines representative works in their intellectual, cultural and theatrical contexts. Prerequisite: ENG 110.

ENG 344. ROBERT FROST 4 sh

This study of Frost's early development as a lyric poet focuses on the close reading of his poetry, criticism and masques in the context of New England regionalism and the emergence of Modernism in American letters. Prerequisite: ENG 110.

ENG 345. JANE AUSTEN 4 sh

Background study of 18th- and 19th-century England and the development of the novel are part of this examination of the life and writings of Austen. Prerequisite: ENG 110.

ENG 347. WILLIAM FAULKNER 4 sh

This study of the short stories, novels and screenplays of one of America's (and the South's) most inventive and brilliant writers includes readings from *As I Lay Dying*; *Go Down, Moses*; *Sanctuary*; *Absalom, Absalom!*; and *The Hamlet*. Prerequisite: ENG 110.

ENG 348. MARK TWAIN 4 sh

A study of the life and work of Mark Twain as an American humorist, realist and social critic. Readings include *Roughing It*, *Innocents Abroad*, *The Gilded Age*, *Life on the Mississippi*, *Huckleberry Finn*, and *Pudd'nhead Wilson*, as well as selected shorter works and later writings. Prerequisite: ENG 110.

GENRE COURSES: GROUP VI

These courses offer studies in specific types of literature, such as poetry, drama, the novel, the essay and the short story. Courses in genre include "kinds" of literature which cut across the more traditional genre labels.

ENG 351. THE NOVEL 4 sh

Focus and content vary in this course, which examines representative novels from different countries and ages. Typical emphases include the American, the British, the picaresque and the political novels and the Bildungsroman. This course sometimes carries an emphasis on gender. Prerequisite: ENG 110.

ENG 352. DRAMA 4 sh

In a study of western drama from ancient Greece to the present, representative texts are examined in their historical and cultural contexts. Prerequisite: ENG 110.

ENG 353. POETRY 4 sh

Examination of representative poetry from different cultures and ages includes at least one epic, shorter narratives, dramatic and lyric poetry. Each student selects one culture, historical period or type of poetry as the focus of an individual research project. Prerequisite: ENG 110.

ENG 354. THE SHORT STORY 4 sh

Study of the short story as a literary form spans from its origins and development by Poe, Chekhov and others to experimental contemporary writers. Typically, five or six collections by writers from a variety of cultures are read, with some attention to the problem of film adaptation. Prerequisite: ENG 110.

ENG 355. LAUGHTER AND COMEDY 4 sh

Students study the psychology of laughter and the philosophy of comedy. Prerequisite: ENG 110.

ENG 356. THE NOVEL: BRITISH WOMEN WRITERS 4 sh

This study of novels by past and present British women writers, using feminist literary theories, also covers the development of the novel as a form and the expression of women's experience in the 18th, 19th and 20th centuries. Prerequisite: ENG 110.

ENG 357. THE LONDON THEATRE 4 sh

Students see productions of Shakespearean and other classic dramas and experience more modern and contemporary plays — both fringe and mainstream — in this study of drama in the London Theatre. Prerequisite: ENG 110. Studies Abroad students only.

ENG 358. MODERN POETRY: BRITISH AND AMERICAN 4 sh

This study of British and American poetry from the first half of the 20th century includes close readings of Yeats, Auden, Frost, Stevens, Williams, Moore, H. D., Eliot and Pound. The course also addresses cultural context and radical changes in poetic forms during this period. Each student completes an extensive project (research, original interpretation, written and oral presentation) on a modern poet not studied in class. Prerequisite: ENG 110.

ENG 359. AFRICAN-AMERICAN NOVELS 4 sh

This study of novels by such writers as Baldwin, Ellison, Hurston, Walker, Wright and Morrison gives attention to gender, place, alienation and changes in forms of protest. This course satisfies the cultural studies (Group IV) requirement for English majors. Offered fall of alternating years. Prerequisite: ENG 110.

GROUP VII SENIOR SEMINAR**ENG 495. SENIOR SEMINAR** 4 sh

This course provides a synthesis of studies in the major with additional work on theory.

Students participate in assessment of their major work, write an independent paper and conduct a class session on their chosen topic. Required for all English majors in the senior fall semester. Prerequisite: majors only or permission of instructor. Offered fall.

SPECIAL TOPICS

Special Topics courses involve studies of various topics, some of which fall outside the boundaries of traditional literary study. In addition to the courses listed below, offerings may include Literature of the Supernatural, Literature of Nonviolence, Alternate Languages.

ENG 361. GENDER ISSUES IN CINEMA 4 sh

This course explores how well film reveals gender differences between men and women. Time is spent studying gender stereotyping, the psychological accuracy of film's representations of gender and gendered behavior of film directors. *This course does not fulfill the General Studies literature requirements.* Prerequisite: ENG 110.

ENG 362. FILM CRITICISM 4 sh

Film Criticism emphasizes how to interpret cinema critically, using films that illustrate cultural differences, periods and types of filmmaking and achievements in techniques and ideas of the greatest directors. *This course does not fulfill the General Studies literature requirement.* Prerequisite: ENG 110. (ENG 362 is the same as JCM 362).

ENG 365. LITERATURE AND THEOLOGY 4 sh

Literature and Theology is an interdisciplinary study focusing on relationships between literary and theological disciplines with special attention to literature illustrating various approaches to religious questions. Prerequisite: ENG 110. (ENG 365 is the same as REL 365.)

ENG 367. THE ARTHURIAN LEGEND 4 sh

Course study traces the development of stories of King Arthur and the Round Table from their appearance in the early Middle Ages through the present. Genres include chronicle, poetry, fiction and cinema. Prerequisite: ENG 110.

ENG 381. WRITING INTERNSHIP 1-4 sh

Students have an opportunity to apply their writing skills in a business office. By permission of instructor. No credit toward General Studies requirements.

ENG 382. INTERNSHIP IN TEACHING LITERATURE 4 sh

The student will attend a 200-level English department literature course not previously taken and will work with the professor teaching the course to develop journal prompts and quiz or discussion questions, as well as leading some class and small-group discussions. The student will also meet with the professor once a week to discuss strategies for planning the course, selection of texts, the structure of daily class sessions, and the pedagogical techniques used in the course. English majors only. By permission of instructor.

ENG 398. CHILDREN'S LITERATURE 4 sh

Children's literature examines the fields of children's and folk literature to discover material which satisfies educational requirements for children in elementary grades. No credit toward English major/minor. Prerequisites: EDU 211, ENG 110.

ENG 399. YOUNG ADULT LITERATURE 4 sh

In this study of contemporary literature for young adult readers, students read texts appropriate to the adolescent, examine common themes, and apply critical approaches suitable for middle grades and secondary classrooms. Authors may include Judy Blume, Robert Cormier, S. E. Hinton, Madeleine L'Engle, Gary Paulsen, Katherine Patterson and Cynthia Voigt. Credit toward English teacher licensure. No credit toward English major/minor. Prerequisites: EDU 211, ENG 110.

ENG 491. INDEPENDENT STUDY 1-4 sh

Environmental Studies

Coordinator: Assistant Professor MacFall

Program Faculty: Professors: Angyal, Chase

Associate Professors: Gooch, Weston

Assistant Professors: D'Amato, Glaesel, Haenel, Kingston, Redington, Sienerth, Spray, Strickland

Elon College offers a B.S. in Environmental Studies, taught from a holistic approach including many disciplines across the college campus. The mission of the Environmental Studies Program is to prepare an environmentally aware citizenry grounded in the multi-dimensional aspects of environmental stewardship and to begin the preparation of environmental professionals who will carry a multidisciplinary understanding of these issues into their professional lives. Life on earth depends upon a vast, interconnected web of living and nonliving elements and processes such as nutrient cycling, energy transfer, water purification, soil regeneration and atmospheric cleansing. Earth's capacity to provide these environmental services, support to the human spirit, and a quality standard of living has been strained by the demands of a growing human population. The challenge is global in nature, but solutions must be found through both global and local actions with a renewed appreciation and love for the earth. In order to guarantee future generations a quality of life equal to or better than our own, it is imperative that the new generation understand current approaches to and develop new ideas of environmental stewardship.

To foster development of these goals, students take a balanced core of classes grounded in ecological principles while considering the humanities, policy, economics and law as they relate to the environment. Students are challenged to consider environmental issues from

many perspectives, encouraging balance between human needs and desire with the consequences of human impact on the earth. Students choose a concentration of upper-level courses consistent with their personal interests, emphasizing either field studies or the relationship between human society and the environment. The program culminates in a capstone Senior Seminar, in which students develop an environmental impact statement for a local or regionally proposed project. In addition, students are required to participate in an active internship experience and are encouraged to participate in independent research as well.

Center for Environmental Studies

A center has been established focusing on community outreach opportunities for students and faculty. Colleagues outside of Elon work with students and faculty on projects related to environmental issues, providing research and internship partnerships. These partnerships provide "real world" problem-solving opportunities to students, strengthening their personal and professional development.

A Bachelor of Science degree with a major in Environmental Studies requires the following:

PHY 110	Energy and the Environment	4 sh
ENS 111	Introduction to Environmental Science	4 sh
BIO 112	Introduction to Population Biology	3 sh
BIO 114	Population Biology Lab	1 sh
ENS 215	Organismal Biology and Field Techniques	4 sh
BIO 452	General Ecology	4 sh
CHM 111	General Chemistry I	3 sh
CHM 112	General Chemistry II	3 sh
CHM 113	General Chemistry I Lab	1 sh
CHM 114	General Chemistry II Lab	1 sh
ECO 201	Principles of Economics	4 sh
POL 224	Environmental Policy and Law	4 sh
ENS 381	Internship	2 sh
ENS 461	Senior Seminar	4 sh

Choose one course from the following: 4 sh

PHL/REL 348 Environmental Ethics

ENG 339 American Environmental Writers

Choose one course from the following: 4 sh

MTH 114 Elementary Statistics

ECO 202 Statistics for Economics and Business

TOTAL 50 sh

Select one of the following two concentrations:

Science Concentration

CHM 211	Organic Chemistry I	3 sh
CHM 213	Organic Chemistry I Lab	1 sh
CHM 305	Environmental Chemistry	4 sh
PHY 103	Basic Concepts in Geology	4 sh

Choose one course from the following:

4 sh

BIO 422 Aquatic Biology

CHM 311 Quantitative Analysis

TOTAL**16 sh****Society and Environment Concentration**

ECO 335 Economics of Environmental Issues

4 sh

Choose three courses from the following:

12 sh

POL 328 Public Policy

POL 334 International Environmental Policy

POL 431 Policy Analysis and Program Evaluation

ENS 310 Environmental Issues of Southeast Asia

GEO 310 Development and the Environment in
Latin America, Africa and S. Asia

GEO 320 Geography of Africa

ENS/GEO 350 Introduction to Geographical Information Systems

ENG 318 Scientific and Technical Communications

TOTAL**16 sh****ENS 111. INTRODUCTION TO****ENVIRONMENTAL SCIENCE** 4 sh

This course explores the fundamental principles of the biological and physical sciences behind natural ecosystems. Central focus is the study of ecosystem function, human impact and techniques of environmental assessments. Students consider different world views and the development of solutions. Satisfies the laboratory science requirement for General Studies. Three class hours and one laboratory per week. Offered fall and spring.

ence requirement. Prerequisites: ENS /BIO 111, BIO 112, 114. (ENS 215 is the same course as BIO 215.) Offered spring.

ENS 310. ENVIRONMENTAL ISSUES IN SOUTHEAST ASIA

4 sh

This course focuses on the environmental issues facing the island nations and the mainland countries of Southeast Asia. The major environmental problems in this region of the world include deforestation, soil erosion, habitat destruction, habitat fragmentation, water pollution from mineral extraction and industry, unsustainable harvesting practices and rising rates of disease. These issues will be examined in the context of climate, topography, vegetation, societal evolution, and human history. Emphasis will be placed on the demographic, cultural, political, religious, economic and ecological reasons for the current state of the environment of Southeast Asia. Practical solutions to reduce environmental degradation and promote sustainable development will be examined. This course cannot be used to satisfy a science requirement. Offered alternate years.

ENS 215. ORGANISMAL BIOLOGY AND FIELD TECHNIQUES

4 sh

This course examines the basic concepts of biological form and function and the fundamentals of plant and animal systematics, with a focus on herbaceous and woody plants, soil and aquatic invertebrates and microorganisms. Students investigate the natural history of local plant and animal species and their role in community dynamics. Laboratory experiences emphasize keying and identification, field methodologies of specimen collection and preservation, sampling techniques, and population estimation procedures for terrestrial and aquatic ecosystems. Satisfies the General Studies lab sci-

ENS 350. INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS

4 sh

(Same course as GEO 350. See GEO 350 for description.) This course can be applied

toward the Liberal Studies requirement for Society. It cannot be applied toward the Science requirement. Offered spring.

ENS 381. INTERNSHIP IN ENVIRONMENTAL STUDIES 2-4 sh

An internship provides work experience at an advanced level in an environmental science field. Prerequisite: junior/senior standing as an ENS major. Offered fall, winter, spring or summer.

ENS 461. SEMINAR: ENVIRONMENTAL IMPACT ASSESSMENT AND POLICY DEVELOPMENT 4 sh

Students cooperate in a semester-long project, conducting a complete field investigation of a land/water development proposal. The course provides an opportunity for the students to apply their knowledge, analytical and problem-solving skills and ethical perspectives in the creation of a report that could be used by a municipal or regional planning organization. Prerequisite: senior standing as an ENS major. Offered fall.

151

Finance

(see ACCOUNTING AND FINANCE)

Fine Arts

Chair, Department of Visual Arts: Assistant Professor Simpkins

Associate Professor: Erdmann

Assistant Professors: Becherer, Hassell, Rubeck, Tucker, Wellford

FNA 101. INTRODUCTION TO THEATRE 4 sh

Students explore the nature of theatre, how it is created and how it functions in society. Primary study covers the diversity of the art form, basic terminology and the event/audience relationship. Performance reaction papers, creative projects and lab hours are required. Offered fall or spring. (FNA 101 is the same course as THE 101.)

FNA 211. INTRODUCTION TO FINE ARTS 4 sh

This comparative study of the major artistic forms involves readings, exhibitions, cultural events, lectures and workshops with visiting artists, through which students discover works of art, their uses, purposes and aesthetic values. Offered fall and spring.

FNA 251. FINE ARTS STUDIES IN ENGLAND 4 sh

This course is a study tour of London emphasizing theatres, concerts and places of cultural importance. Winter only.

FNA 265. FINE ARTS STUDIES IN ITALY 4 sh

This course is a study tour of Italy exploring the music, art, architecture and theatre. Winter only.

FNA 313. BRITISH ART AND ARCHITECTURE 4 sh

Field trips to museums and historically relevant sites complement classroom study of the art and architecture of England from the Anglo-Saxon and Roman periods to the 19th century. Offered fall and spring.

FNA 369. FINE ARTS IN THE PUBLIC SCHOOLS 4 sh

Early childhood and elementary education majors become familiar with current approaches to teaching the arts, with emphasis placed on incorporating the arts into daily instruction. Prerequisites: junior standing, acceptance to the teacher education program and PSY 321. Materials fee: \$20.

Foreign Languages

Chair, Department of Foreign Languages: Associate Professor Van Bodegraven

Associate Professors: Lunsford, Romer

Assistant Professors: Sumiyoshi, Villalba

In the 21st Century, students are faced with a global economy and a world shrinking due to advances in communication technology. This encounter makes the study of foreign languages more essential than ever.

The Department of Foreign Languages offers courses in six languages and programs leading to the Bachelor of Arts degree with a major in French or in Spanish. A student majoring in French or Spanish may also choose to complete the program leading to teacher licensure.

In the French and Spanish programs, the course offerings are balanced between literary, cultural, and linguistic study. Emphasis is placed on practical use of the language, and classroom learning is enhanced by video and computer technology as well as study abroad opportunities.

A major in French requires the following courses:

FRE 321	Conversation	4 sh
FRE 322	Written and Oral Expression in French	4 sh
FRE 331	Introduction to French Literature I	4 sh
FRE 332	Introduction to French Literature II	4 sh
FRE 341	Francophone Literature	4 sh
FRE 361	French Civilization	4 sh
FRE 362	Francophone Cultures Outside France	4 sh
FRE 401	French Linguistics	4 sh
Two additional electives above the 310 level		8 sh

TOTAL		40 sh
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Study abroad is strongly recommended. Credits earned in an approved study abroad program will substitute for requirements for the major.

A minor in French requires 20 hours, eight of which must be above the 310 level.

A winter term abroad is encouraged.

A major in Spanish requires the following courses:

Language Courses:

Choose at least one of the following: 4 sh

SPN 421	Advanced Spanish Grammar
SPN 451	Spanish Phonetics
SPN 371	Special Topics

Conversation/Composition Courses:

Choose at least one of the following: 4 sh

SPN 321	Conversation
SPN 322	Written and Oral Expression
SPN 371	Special Topics

Culture Courses:

Choose at least two of the following: 8 sh

- SPN 361 Spanish Civilization
 SPN 362 Latin American Civilization
 SPN 371 Special Topics

Literature Courses:

Choose at least two of the following: 8 sh

- SPN 331 Spanish Literature I
 SPN 332 Spanish Literature II
 SPN 341 Latin American Literature I
 SPN 342 Latin American Literature II
 SPN 371 Special Topics

Elective Courses:

16 sh

You may complete a 40-hour major by taking any Spanish courses above the 310 level, chosen from the categories above, or taken during study abroad programs in Spain or Latin America.

TOTAL**40 sh**

Study abroad is strongly recommended. Credits earned in an approved study abroad program will substitute for requirements for the major.

A minor in Spanish requires 20 hours, eight of which must be above the 310 level. A winter term abroad is encouraged.

A major in French or Spanish with Teacher Licensure, K-12, requires the above 40 semester hours including SPN 421 and SPN 451, or FRE 401 or its substitute, plus 35 semester hours of professional studies courses in Education and Psychology.

Chinese**CHN 110. ELEMENTARY CHINESE** 4 sh

An introduction to Chinese language and culture, this course assumes no prior knowledge. Practical, conversational usage of the language is stressed as is study of the culture of China. No prerequisite. Offered fall.

CHN 210. INTERMEDIATE CHINESE 4 sh

This course is designed for students with some prior knowledge of the language and serves as a systematic review within a cultural context. Practical, conversational usage of the language is stressed as is the culture of China. Prerequisite: CHN 110, three years of high school Chinese, or permission of the instructor. Offered spring.

CHN 310. ADVANCED CHINESE 4 sh

This course is designed for students who have mastered the basic concepts of the language. Speaking skills and character writing within a cultural context are further devel-

oped. Prerequisite: Chinese 210, four years of high school Chinese, or permission of the instructor.

French**FRE 110. ELEMENTARY FRENCH** 4 sh

An introduction to French language and culture, this course assumes no prior knowledge. Practical, conversational usage of the language is stressed, as is study of the culture of the French-speaking countries. No prerequisite. Offered fall and spring.

FRE 210. INTERMEDIATE FRENCH 4 sh

This course, designed for students with some prior knowledge of the language, is a systematic review within a cultural context. Practical, conversational usage of the language is stressed, as is study of the culture of the French-speaking countries. Prerequisite: FRE 110 or up to two years of high school French. Offered fall and spring.

FRE 310. ADVANCED INTERMEDIATE FRENCH

4 sh

This course is designed for students who have mastered the basic concepts of the language. It reviews structures such as compound tenses and the subjunctive. Grammar and vocabulary are studied within the context of the culture of French-speaking countries. Prerequisite: FRE 210 or three or more years of high school French.

FRE 321. CONVERSATION

4 sh

Conversational study develops abilities in everyday spoken communication with emphasis on building vocabulary and speaking proficiency. Prerequisite: FRE 310 or four or more years of high school French or permission of instructor. Offered every third year.

FRE 322. WRITTEN AND ORAL EXPRESSION IN FRENCH

4 sh

Intensive practice in oral and written expression focuses on refinements in structure, conversation and writing for specific purposes. Prerequisite: FRE 310 or permission of instructor. Offered every third year.

FRE 331. INTRODUCTION TO FRENCH LITERATURE I

4 sh

Major texts of literature of France from the Middle Ages through the 18th century are taught in their historical, social and cultural context. Prerequisite: FRE 310 or permission of instructor. Offered every third year.

FRE 332. INTRODUCTION TO FRENCH LITERATURE II

4 sh

Major French literary texts since the French Revolution are taught in their historical, social and cultural context. Prerequisite: FRE 310 or permission of instructor. Offered every third year.

FRE 341. FRANCOPHONE LITERATURE

4 sh

This course covers the major texts of French expression from Africa, the Antilles and Canada. Prerequisite: FRE 310 or permission of instructor. Offered every third year.

FRE 361. FRENCH CIVILIZATION

4 sh

A survey of the history, geography, people and institutions of France from prehistoric

times to the present emphasizes France's many contributions to Western civilization. Prerequisite: FRE 310 or permission of instructor. Offered every third year.

FRE 362. FRANCOPHONE CULTURES OUTSIDE FRANCE

4 sh

This course studies regional cultures around the world influenced by France, notably Africa, the Antilles and Canada. Prerequisite: FRE 310 or permission of instructor. Offered every third year.

FRE 371-379. SPECIAL TOPICS

4 sh

Topics may include advanced study of cinema, selected literary authors, periods, genres or regions. Prerequisite: FRE 310 or permission of instructor.

FRE 401. FRENCH LINGUISTICS

4 sh

Practice in phonetic transcriptions and sound discrimination is part of this study of the French language system, including phonology, morphology and semantics. Prerequisite: FRE 310 or permission of instructor. Offered every third year.

FRE 481. INTERNSHIP

1-4 sh

Work experience at advanced level using French language skills. Project must be approved by the department. For majors/minors only.

FRE 491. INDEPENDENT STUDY

2-4 sh

German**GER 110. ELEMENTARY GERMAN**

4 sh

An introduction to German language and culture, this course assumes no prior knowledge. Practical, conversational usage of the language is stressed, as is study of the culture of the German-speaking countries. No prerequisite. Offered fall.

GER 210. INTERMEDIATE GERMAN

4 sh

This course, designed for students with some prior knowledge of the language, is a systematic review within a cultural context. Practical, conversational usage of the language is stressed, as is study of the culture of the German-speaking countries. Prerequisite: GER 110 or up to two years of high school German. Offered spring.

GER 310. ADVANCED INTERMEDIATE**GERMAN**

4 sh

The advanced course is designed to further develop speaking and writing skills in a cultural context. Prerequisite: GER 210 or up to five years of high school German.

Greek**GRK 110. ELEMENTARY GREEK**

4 sh

This intensive study covers Hellenistic Greek grammar and vocabulary.

GRK 210. INTERMEDIATE GREEK

4 sh

Intermediate study includes readings in Greek from the First Letter of John and the Gospel of Mark in the Greek New Testament to improve grammar and vocabulary.

GRK 310. ADVANCED GREEK

4 sh

Readings include the letters of Paul in the Greek New Testament to reach advanced levels of grammar and vocabulary.

Japanese**JPN 110. ELEMENTARY JAPANESE**

4 sh

An introduction to the Japanese language and culture, this course assumes no prior knowledge. Practical, conversational usage of the language is stressed as is a study of the culture of Japan. Japanese syllabaries (Hiragana and Katakana) and some Kanji (Chinese characters) are also taught as introduced in the cultural readings. No prerequisite. Offered fall.

JPN 210. INTERMEDIATE JAPANESE

4 sh

This course is designed for students with some prior knowledge of the language and serves as a systematic review within a cultural context. Linguistic elements of the language are introduced with practical, conversational usage of the language stressed. More Kanji characters are taught to help develop reading and writing skills. Prerequisite: JPN 110, three years of high school Japanese, or permission of the instructor. Offered spring.

JPN 310. ADVANCED INTERMEDIATE**JAPANESE**

4 sh

This course is designed for students who have mastered some basic concepts of the language. Advanced linguistic skills are introduced with concepts to help develop oral communication within a cultural context. Kanji characters are continually introduced to enhance advanced reading and writing skills. Prerequisite: Japanese 210, four or more years of high school Japanese, or permission of the instructor.

Spanish**SPN 110. ELEMENTARY SPANISH**

4 sh

An introduction to Spanish language, this course assumes no prior knowledge. Practical, conversational usage of the language is stressed, as is study of the culture of the Spanish-speaking countries. No prerequisite. Offered fall and spring.

SPN 210. INTERMEDIATE SPANISH

4 sh

This course, designed for students with some prior knowledge of the language, is a systematic review within a cultural context. Practical, conversational usage of the language is stressed, as is study of the culture of the Spanish-speaking countries. Prerequisite: SPN 110 or two years of high school Spanish. Offered fall and spring.

SPN 310. ADVANCED INTERMEDIATE**SPANISH**

4 sh

This course is designed for students who have mastered the basic concepts of the language. Structures such as compound tenses and the subjunctive are studied within the context of the culture of the Spanish-speaking countries. Prerequisite: SPN 210 or three or more years of high school Spanish. Offered fall and spring.

SPN 321. CONVERSATION

4 sh

Conversational Spanish involves intensive practice in everyday communication situations with emphasis on vocabulary and speaking proficiency. Prerequisite: SPN 310 or permission of instructor. Offered every other year.

**SPN 322. WRITTEN AND ORAL
EXPRESSION IN SPANISH** 4 sh

Intensive practice in oral and written expression focuses on refinements in structure, conversation and writing for specific purposes. Prerequisite: SPN 310 or permission of instructor. Offered every other year.

SPN 331. SPANISH LITERATURE I 4 sh

Study surveys the development of Spanish literature from its beginnings in the Middle Ages through the Renaissance and the Golden Age. Prerequisite: SPN 310 or permission of instructor. Offered every other year.

SPN 332. SPANISH LITERATURE II 4 sh

Study continues a survey of Spanish literature during the 18th, 19th and 20th centuries. Prerequisite: SPN 310 or permission of instructor. Offered every other year.

**SPN 341. LATIN AMERICAN LITERATURE I:
DISCOVERY, CONQUEST, COLONIAL
ERA AND INDEPENDENCE** 4 sh

This survey course introduces students to the literature of the Spanish-speaking nations of Latin America from the 15th century through the 19th century. Emphasis is on the 300-year period when the Latin American nations were colonies of Spain, and on the 19th century, when these nations freed themselves from Spanish rule, but were still under the literary influence of the mother country. Prerequisite: SPN 310 or permission of instructor. Offered every other year.

**SPN 342. LATIN AMERICAN LITERATURE II:
FROM MODERNISM TO MAGIC
REALISM** 4 sh

This survey course introduces students to the rich literature of Latin America in the 20th century. Emphasis is placed on the Modernist movement, major women writers, Pablo Neruda and other Nobel Prize winners, and the Magic Realism movement. Prerequisite: SPN 310 or permission of instructor. Offered every other year.

SPN 361. SPANISH CIVILIZATION 4 sh

A study of the history, geography and people of Spain—from prehistoric times to the

present—emphasizes Spain's many contributions to Western civilization. Prerequisite: SPN 310 or permission of instructor. Offered every other year.

**SPN 362. LATIN AMERICAN
CIVILIZATION** 4 sh

This course examines Latin American geography, history, art, architecture, music, government, economy, ethnicity, languages and culture, including a study of each country. Prerequisite: SPN 310 or permission of instructor. Offered every other year.

SPN 371-379. SPECIAL TOPICS 4 sh

Topics may include advanced study of language, cinema, selected literary authors, periods, genres or regions. Prerequisite: SPN 310 or permission of instructor.

SPN 421. ADVANCED GRAMMAR 4 sh

This course is an intensive study of those points of Spanish grammar that tend to cause the most problems for learners of the language. Particular attention will be given to the two past tenses (preterit and imperfect); *ser* versus *estar*, and the subjunctive. This course explores why Spanish functions differently from English, and then gives students intensive practice in applying the principles that they have learned. Composition, translation and oral practice will all be used to achieve increased grammatical accuracy. Prerequisite: SPN 310 or permission of instructor. Offered every other year.

SPN 451. PHONETICS 4 sh

A course designed to give students an in-depth understanding of the phonetic system of the Spanish language, and to perfect the student's pronunciation. Students will learn how sounds are produced and will learn to imitate native speakers accurately through a variety of classroom exercises, recordings and videos. Through phonetic transcription and listening exercises, students will learn to hear accurately and to distinguish between similar sounds. Students will also study with wide phonetic variations that occur within the Spanish-speaking world. Prerequisite: SPN 310 or permission of instructor. Offered every other year.

SPN 481. INTERNSHIP

1-4 sh

Work experience at advanced level using Spanish language skills. Project must be

approved by the department. For majors/minors only.

SPN 491. INDEPENDENT STUDY

2-4 sh

General Studies

Director: Associate Professor Bray

The General Studies program gives breadth as well as depth to a college education. It provides students with opportunities to see the broad view of human civilization, experience great ideas and art, and learn the science and math skills that no contemporary leader or individual thinker can be without.

Through training in writing and other communication skills as well as in learning to work independently, to think critically and constructively, to handle quantitative data, to respect cultures world wide, and to develop habits of responsible leadership, this program develops the whole person. It is a major focus of a college career from beginning to end — challenging students, preparing them for both leadership and independent thought, and, most of all, deepening and enriching their lives.

GST 110. THE GLOBAL EXPERIENCE

4 sh

This first-year seminar examines public responsibility in a global context. It explores some of the implications created by cultural and natural diversity and the possibilities for human communication and cooperation within this diversity. The course emphasizes student and faculty creativity through active and collaborative learning. The seminar is writing intensive. Limited to first-year students. Offered fall and spring.

senior year, these seminars are writing intensive, requiring students to write frequently and in a variety of ways. Prerequisite: successful completion of writing competency.

Selected recent seminars.

These topics may, or may not, be offered in the future.

GST 300-499. ADVANCED**INTERDISCIPLINARY SEMINARS**

These seminars are the capstone of the General Studies Program. Students work with faculty to examine an issue or topic from multiple viewpoints. The subjects of these seminars are chosen by individual faculty members, and vary from semester to semester. More than 25 different topics are offered each academic year. The diverse topics reflect the expertise and interests of faculty from across the campus, and allow students a wide range of choices. These courses require advanced critical thinking skills: students must weigh multiple opinions, evaluate theoretical and ethical positions, and define and defend their own personal standpoints. Taken in the junior or

GST 305. LAUGHTER AND COMEDY

4 sh

A study of the psychology of laughter and the philosophy of comedy. The course examines humor in everyday life, comics, films and literature. It explores both why we laugh and what a comic view of life is.

GST 326. HUMAN SEXUALITY

4 sh

Students will engage in a comprehensive study of biological and psychological sexuality throughout the human life cycle. This includes anatomy, physiology, contraception, pregnancy, childbirth, sexually transmitted diseases, gender roles, intimate relationships, parenting and deviant sexual behavior.

GST 329. NEW SCIENTIFIC THEORIES: CHAOS AND COMPLEXITY

4 sh

Important scientific ideas can re-shape the social-cultural landscape by creating new ways to perceive and talk about the world.

Several new scientific theories—including chaos theory, complexity theory and the notions of self-organization and emergence—are causing re-examination of classical rationalist, scientific method. These theories dovetail with current re-examinations of contemporary culture. The course examines the elements of these new theories that have broader impact both as concepts and as metaphors, and explores their implication for a number of areas of contemporary culture.

GST 341. GOD AND POLITICS 4 sh

Two of the most powerful forces in culture and society are religion and politics. This course will examine the history and social dynamic in religion and its impact on the life of humankind. Students will read a variety of texts from various disciplines that address such issues as how one understands the appeal to a "Christian nation," how one interprets the psychological forces of coercion that exist in the appeal to the absolute, and why religious perspectives even have importance.

GST 348. LIFE STORIES 4 sh

This course helps students identify the "life stories" they are living. It draws on literary, psychological, religious and philosophical resources. Daily writing assignments from Sam Keen's *Your Mythic Journey* will culminate in a personal story which remembers the past, reflects on the present, envisions a future, and clarifies personal beliefs and values. Contemporary films such as "A River Runs Through It" and conversations with community partners will serve as additional catalysts for writing one's story.

GST 365. QUEST FOR WHOLENESS 4 sh

This course is a two-semester mentorship which meets once a week to create a space where learning and life can be integrated from the perspective of the humanities. The work of the year concentrates on the professional and personal, on work and relation-

ships, on inner development and service to others. The inquiry touches all seven domains of life: personal, interpersonal, familial, institutional, cultural, planetary and the encompassing sphere of mystery.

GST 384. THE KENNEDY ASSASSINATION AND FILM 4 sh

This course will explore the details of the assassination of President John F. Kennedy and the way it has been presented in film. Special emphasis will be placed on the study of the assassination as a film genre and any residual effects on the world of motion pictures.

GST 420. SCIENCE & RELIGION: BRIDGING THE GAP 4 sh

The seminar is an exploration of the complex and fascinating interplay of these two ways of knowing. We will study the fundamental uncertainties that form borders to the reach of science and seek to build bridges to the realms of religious experience.

EXPERIENTIAL LEARNING 1 unit

The Experiential Learning Requirement asks students to practice close observation of the world around them and to reflect insightfully on those observations. Exposure to diversity helps students see the interrelationships between academic studies and other experiences. The requirement may be met through one of the following ways: 1) Field-based courses: study abroad, internships/coops, practicums and student teaching; 2) independent research conducted under the direction of a professor; 3) 40 hours of pre-approved service/volunteer activities (see Kernodle Center for Service Learning); 4) 40 hours of pre-approved leadership activities (see Leadership Development Office); and 5) 40 hours of pre-approved individualized learning activities (see Career Center).

Geography

Coordinator: Assistant Professor Glaesel

Adjunct Instructors: Pirani

A minor in Geography requires the following courses:

GEO 121	Introduction to Physical Geography	4 sh
GEO 131	The World's Regions	4 sh
One course from		4 sh
ENS 110	Introduction to Environmental Science	
PHY 103	Introduction to Geology	
POL 241	International Relations	
OR		
Any 200-level geography course		
Eight semester hours of GEO elective at 300-400 level		8 sh
TOTAL		20 sh

159

GEO 121. INTRODUCTION TO PHYSICAL GEOGRAPHY

4 sh

Students will examine the processes which control the spatial distribution of climate, vegetation, soils and landforms. Topics include earth-sun geometry, global energy balance, hydrology, tectonics, weathering and mass wasting, climatic classification and climatographs, arid land, coastal and fluvial geomorphology. Focus will be on the Earth as the home of humans and the impact of humans on their environments.

GEO 131. THE WORLD'S REGIONS

4 sh

This survey of the regions of the world emphasizes place names and environmental and human characteristics which provide both the common traits and the distinctive characteristics of different places. Students analyze change, problems, potentials and alternative futures and use traditional and electronic data sources, atlases and methods of data presentation. Offered fall and spring.

GEO 310. DEVELOPMENT AND THE ENVIRONMENT IN LATIN AMERICA, AFRICA AND SOUTH ASIA

4 sh

This course is concerned with environmental issues primarily in "developing" countries. This course will provide a forum for

discussing and analyzing the geo-politics of international environmental conservation programs often devised in wealthier countries but applied in the "third world" as well as the social and environmental consequences of large-scale and small-scale development projects.

GEO 320. GEOGRAPHY OF AFRICA

4 sh

This course surveys the physical, cultural and political-economic geography of Africa with an emphasis on human-environment relationships. Important themes include the diversity of people (ethnicity, gender, religion), tropical deforestation, farming systems, social unrest and refugees, drought and famine, dams and irrigation schemes, urbanization, endangered species, wildlife conservation and parks.

GEO 350. INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS

4 sh

In this course the student will be introduced to the concept of visualizing, exploring and analyzing data geographically. The student will obtain hands-on experience of display, analysis and presentation of mapping functions using the latest ArcView GIS software. Assignments will be geared toward environmental management and decision-making.

GEO 481. INTERNSHIP IN GEOGRAPHY 1-4 sh

Internship is limited to 4 semester hours credit toward geography minor. Prerequisite:

GEO 121, 131 and permission of instructor.

GEO 491. INDEPENDENT STUDY

1-4 sh

Health Education

Chair, Department of Health Promotion, Leisure and Human Performance: Professor Calhoun

Professors: Beedle, J.P. Brown

Associate Professors: Drummond, Farmer

Assistant Professors: Baker, Binkley, Davis, Leonard, Miller, Parson, Paul, Simons, Smith, Walch

Instructors: Apke, Haskins, Kennedy, Pharr, Reilly, Spier, Starr, Travethan, Webster, Welch

The Department of Health Promotion, Leisure and Human Performance offers majors in Health Education, Leisure/Sport Management, Physical Education and Sports Medicine (Exercise Sports Science and Athletic Training).

The Health Education curriculum is designed to prepare teachers of health and safety education (kindergarten through senior high school) in both public and private school systems. The program of study incorporates school goals and objectives for establishing and maintaining quality health education programs that are planned, comprehensive, personalized, practical, sequential and oriented toward mental, social and physical well-being.

This is accomplished through a wide range of specialized theory courses and many opportunities to apply, evaluate and refine necessary skills in laboratory settings. Studies in health education explore ways to educate students and the public about contemporary health issues such as personal safety, nutrition, substance abuse, disease prevention and human sexuality.

A major in Health Education requires the following courses:

HED 220	First Aid	1 sh
HED 321	Health Services and Consumerism	4 sh
HED 324	Nutrition	4 sh
HED 325	Substance Abuse and Human Behavior	4 sh
HED 326	Human Sexuality	4 sh
HED 421	Health of the Body Systems	4 sh
PED 305	Legal Aspects in HPEL	2 sh
PED 411	Measurement and Evaluation	4 sh
BIO 161	Human Anatomy	4 sh
BIO 162	Human Physiology	4 sh
EDU 427	Materials and Methods of Teaching	
	Health and Safety	4 sh

Completion of Teacher Licensure requirements

TOTAL

39 sh

Students must take the professional studies requirements listed for Special Subjects areas (K-12) under Education.

Physical Education endorsement (for students with teacher certification)

requires the following courses:

EDU 423	Materials and Methods of Teaching Physical Education	4 sh
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Sixteen additional hours chosen from the following courses:	16 sh
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PED 125	Skills and Activities for Teaching (3 sh)	
PED 211	History/Foundations of Sport/Physical Education	
PED 310	Motor Learning Theory for Teaching and Coaching	
PED 321	Kinesiology	
PED 341	Theory of Coaching (2 sh)	
PED 360	Elementary Physical Education (K-6)	
PED 410	Organization and Administration	
PED 423	Physical Education for the Exceptional Child (2 sh)	
SPM 422	Physiology of Exercise	

TOTAL	20 sh
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A minor in Health Education requires the following courses:

HED 321	Health Services and Consumerism	4 sh
HED 324	Nutrition	4 sh
HED 325	Substance Abuse and Human Behavior	4 sh
HED 326	Human Sexuality	4 sh
Four semester hours chosen from additional courses required for the Health Education major.		4 sh

TOTAL	20 sh
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HED 110. WELLNESS 3 sh

Students study the components of a lifestyle of wholeness and well-being and develop a lifelong personal wellness program based on the physiological and psychological principles of wellness/fitness and personal decision-making. Offered fall, winter, spring and summer.

HED 220. FIRST AID 1 sh

This is a course which provides a background in first aid and CPR principles, procedures and skills emphasized in the latest American Red Cross courses. Consideration is given to personal and community safety in everyday living. Special fee: \$13.00.

HED 321. HEALTH SERVICES AND CONSUMERISM 4 sh

This introduction to comprehensive health education emphasizes health trends, objec-

tives, products, services and factors that influence personal choice in the health marketplace. Students study methods of identifying and managing major health risk behaviors and investigate health education in the school and community, health services, resources, networking and health promotion. Experiential hours in a community health agency required. Offered fall of even-numbered years.

HED 324. NUTRITION 4 sh

A comprehensive study of nutrient basics, digestion, metabolism, vitamins, minerals, supplements, steroids, weight management, eating disorders, nutritional deficiencies and imbalances. Emphasizes practical application of nutrition concepts throughout the life cycle and investigates food technology and food safety. Offered fall and spring.

**HED 325. SUBSTANCE ABUSE
AND HUMAN BEHAVIOR** 4 sh

Students study personality, societal and biological factors influencing drug use and abuse. Emphasizes drugs as a health issue and prevention as a lifestyle risk reduction model. Drug abuse and prevention strategies are examined from the perspectives of pharmacology, psychosocial impact, and cross cultural attitudes and beliefs. Special consideration is given to drug issues faced by health educators in the school and community. Students are required to investigate a prevalent drug issue and create and present a peer education program based on their investigation. Offered spring.

HED 326. HUMAN SEXUALITY 4 sh

A comprehensive study of biological and psychosocial sexuality throughout the life cycle, including male and female physiology, contraception, pregnancy, childbirth, sexually transmitted diseases, gender roles, intimate relationships, parenting and deviant sexual behavior. Offered fall and spring.

**HED 362. HEALTHFUL LIVING IN THE
ELEMENTARY SCHOOL** 3 sh

Provides a study of health, safety and physical education needs of elementary children (including content and methodology) and the integration of those needs with the curriculum. Offered fall, winter and spring.

**HED 421. HEALTH OF
THE BODY SYSTEMS** 4 sh

Students study the interdependency of body systems and diseases and conditions that affect human health and well being. Topics include the historical foundation of health professions, immunology, pathophysiology of prominent acute and chronic diseases, socio-cultural factors that influence health, and consequences and prevention of major health risk behaviors. Methods of health appraisal and screening are also investigated. Prerequisites: BIO 161, 162 Offered fall and spring.

HED 491. INDEPENDENT STUDY 1-4 sh**HED 499. RESEARCH IN HEALTH
EDUCATION** 1-4 sh

History

Chair, Department of History: Associate Professor Bissett
Professors: Crowe, Digre, Midgett, C. Troxler, G. Troxler
Associate Professors: Ellis, Festle, Fortune
Assistant Professor: J. O. Brown

The study of history centers on exploration of various economic, social, political, military and religious forces that have transformed the face of the world. It combines analytical thinking and writing with a detailed grasp of the many influences that have brought about historical change.

History is a discipline that explores the dynamics of change from humanistic and social scientific perspectives. Because of the breadth and depth of historical investigation, students who choose to major or minor in history at Elon College find themselves well prepared for careers that require interaction with people and the ability to write and think analytically.

A major in History requires the following courses:

HST 111	Europe and the Mediterranean World to 1660	4 sh
HST 112	Europe and the Mediterranean World since 1660	4 sh
HST 301	Research Methods	4 sh
Choose one course from		4 sh
HST 121	United States History through 1865	
HST 122	United States History since 1865	
HST 123	United States and North Carolina since 1865	

Twenty-four hours history electives, 16 of which must be at the 300-400 level:	24 sh
U.S. History (8 sh)	
non-U.S. History (8 sh)	
other electives (8 sh)	

One History seminar course including completion of a Senior Thesis 4 sh

TOTAL **44 sh**

It is strongly recommended that History majors, in consultation with their advisor, select a topical or regional concentration of 12 semester hours at the 300 level and above. Concentration courses will be chosen from among the required 28 elective hours. With the approval of the department chair, four hours from outside the history department may be applied toward the concentration and the elective history hour requirement. The history department strongly recommends that history majors considering graduate school take a foreign language.

History majors receiving teacher certification must complete the following courses:

HST 111	Europe and the Mediterranean World to 1660	4 sh
HST 112	Europe and the Mediterranean World since 1660	4 sh
HST 121	United States History through 1865	4 sh
HST 123	U.S. and North Carolina	4 sh
HST 301	Research Methods	4 sh
One History seminar course		4 sh
Sixteen hours HST electives at the 300-400 level chosen from each of the following areas		16 sh
1) United States		
2) Europe		
3) Developing World (Africa, Asia)		
4) Minority History (African Americans and Women)		
GEO 131	The World's Regions	4 sh
POL 111	American Government	4 sh
Set of Professional education courses		35 sh

TOTAL **83 sh**

A minor in History requires the following:

Four semester hours chosen from	4 sh
HST 111	Europe and the Mediterranean World to 1660
HST 112	Europe and the Mediterranean World since 1660
HST 221	The World in the Twentieth Century
Four semester hours chosen from	4 sh
HST 121	United States History through 1865
HST 122	United States History since 1865

Twelve semester hours of History electives at the 300-400 level 12 sh

TOTAL **20 sh**

**HST 111. EUROPE AND THE
MEDITERRANEAN WORLD
TO 1660**

4 sh

This survey of major developments in the Mediterranean world begins with ancient Mesopotamian and Egyptian civilizations. Students also explore the evolution of the great formative cultures of the Western world (Greece and Rome) and the Middle East and look at their interaction during the Middle Ages, the Renaissance, the Reformation and the beginnings of early modern Europe. Offered fall.

**HST 112. EUROPE AND THE
MEDITERRANEAN WORLD
SINCE 1660**

4 sh

In a survey of major developments in the Mediterranean world from 1660 to the present, study covers the rise of the major European powers during the period and discusses their interaction with one another and the Middle East and North Africa, particularly in the 19th and 20th centuries. Offered fall and spring.

**HST 121. UNITED STATES HISTORY
THROUGH 1865**

4 sh

This survey of early U.S. history includes the major political, social, economic and intellectual developments in the U.S. from the first explorations of the continent through 1865 and considers the implications of these events and developments on the American experience after 1865. Offered fall and spring.

**HST 122. UNITED STATES HISTORY
SINCE 1865**

4 sh

Study of U.S. history continues with the major political, social, economic and intellectual developments in the U.S. from the Civil War to the present and examines how events and developments which occurred prior to 1865 influenced the nation's evolution after the Civil War. Offered fall and spring. No credit for students with prior credit for HST 123.

**HST 123. THE UNITED STATES AND NORTH
CAROLINA SINCE 1865**

4 sh

Study of U.S. history with a focus on N.C.

as part of national development; examines major political, social, economic and intellectual trends from the Civil War to the present; includes an understanding of how events and developments prior to 1865 influenced the nation and the state after 1865. Offered fall and spring. No credit for students with prior credit for HST 122.

HST 131-149. SPECIAL TOPICS

2-4 sh

These courses are designed for entry level students and address specific topics. Each topic is examined in broad historic context. These courses meet the General Studies requirement. Previous topics have included: Civil Rights Movement, Anti-Communism in America, Jews and Gypsies in Western Civilization, Being and Becoming Indian.

**HST 221. THE WORLD IN THE
20TH CENTURY**

4 sh

This survey of contemporary history examines critical events, ideologies and movements that have shaped our world. Students gain an understanding of the historical context of current global issues by examining developments in Africa, Asia, Europe, Latin America and the Middle East. Offered spring.

HST 251. HISTORY STUDIES ABROAD

4 sh

A specialized study for those participating in abroad programs. Offered winter.

HST 301. RESEARCH METHODS

4 sh

Students will focus on framing and answering historical questions using a variety of research techniques and both primary and secondary source materials. They will formulate and execute a research project that will result in both a written and oral presentation of their findings. Offered spring.

AFRICA
HST 313. MODERN AFRICA

4 sh

This survey course explores developments in Africa during the past century (especially regions south of the Sahara) and examines African responses to European imperialism, African independence and the problems faced by the new African states. Offered fall of even-numbered years.

HST 314. A HISTORY OF SOUTHERN AFRICA

4 sh

This course examines the forces that have shaped the history of South Africa and its neighbors in the 19th and 20th centuries, focusing on the effects of apartheid on modern South African society. Offered spring of odd-numbered years.

RUSSIA**HST 316. THE HISTORY OF IMPERIAL RUSSIA TO 1917**

4 sh

This course explores the major developments in the history of the Russian state from its origin in the 9th century to the collapse of the tsarist system in 1917. Topics include Kievan Rus and the Mongols, the rise of Moscow, the westernization efforts of Peter and Catherine the Great and the gradual transformation of Russia from its wars with Napoleon through the overthrow of the Romanov Dynasty. Offered fall of even-numbered years.

HST 317. RUSSIA AND THE**SOVIET UNION SINCE 1917**

4 sh

This study of modern Russian history explores the Bolshevik communist system, considers the transformation of the Soviet state under Lenin and Stalin and studies Russia's role in World War II and its impact on the USSR afterwards. Topics include the emergence of the Soviet Union as a world power under Stalin, Khrushchev, and Brezhnev; Soviet domestic events under all three men; and the impact of Mikhail Gorbachev, Boris Yeltsin, and other recent Russian leaders. Offered spring of odd-numbered years.

ASIA**HST 320. CHINA, JAPAN & THE PACIFIC CENTURY: ERA OF WAR & REVOLUTION**

4 sh

Pearl Harbor and Hiroshima are infamous names in world history. In many ways they represent the end result of a century of conflict and revolution in Asia that centered around Western efforts to force themselves into the mainstream of Chinese and Japanese societies. This

course will explore these conflicts and their impact not only on these two important Asian nations, but on all of the countries that ring the Pacific Rim such as Russia, the United States, Canada and Australia.

BRITISH ISLES**HST 323. THE MAKING OF THE****ENGLISH NATION TO C. 1660**

4 sh

A study of English customs, church, common law system, monarchy and national identity and the migration of these features to America. The course spans the development of an English people (Celtic, Roman, Anglo-Saxon, Viking and Norman French) and the ruptures which produced civil war and an English Republic — episodes formative of American political values. Offered fall of odd-numbered years.

HST 324. ENGLAND WITHIN THE BRITISH EMPIRE: 17TH CENTURY TO THE PRESENT

4 sh

This course examines the social, religious and constitutional conflicts of the 1640s and the 1680s and their impact on Colonial America. Study also traces later changes in the English society, economy and form of government, the United Kingdom's changing role in Europe and the world, and changes in social roles and attitudes, particularly regarding class, gender and race. Offered spring of even-numbered years.

HST 326. HISTORY OF IRELAND

2 sh

Study includes Ireland's political and cultural history as well as its influence on the U.S. through emigration. Celtic cultural continuity and adaptation from the early Middle Ages to the present are explored through traditional folkways, music, tales, art and literature in historical contexts. Offered fall of even-numbered years.

HST 327. HISTORY OF SCOTLAND

2 sh

Focus is on Scotland's evolution as a nation sharing an island with Wales and England. We explore the role of Celtic and Viking cultural continuity in shaping a Scottish consciousness centered on a Highlands ideal and perpetuated by emigration. Students use

oral history, folkways, and musical and balladry traditions in historical contexts. Offered fall of even-numbered years.

EUROPE

HST 332. DAILY LIFE IN EARLY MODERN EUROPE, 1350-1750 4 sh

This course examines how Europeans lived, day to day, from the time that the Black Death swept the continent to the Industrial Revolution. Topics include marriage, food, housing, witchcraft, clothing, court life, violence, sports, religion, childhood, and death. Students examine life in the countryside and town, as well as the rich, the poor, and everyone in between.

HST 335. GROWTH OF MODERN EUROPE, 1789-1914 4 sh

This course explores the period between the French Revolution and World War I, as modern Europe emerged from the old regime. Focus centers on the development of mass politics, the widespread impact of the industrial revolution, changes in women's public and private roles, cultural developments from neoclassicism to modernism, and the evolution of modern consciousness.

HST 336. EUROPE, 1914-1945 4 sh

This course provides a study of European history focusing on the two World Wars, the search for stability in the inter-war years and the rise of totalitarianism. Offered fall of odd-numbered years.

HST 337. EUROPE, 1945 TO THE PRESENT 4 sh

Discussions in this course cover the Cold War, the end of colonial rule, the rise of the European Community, social and intellectual trends, the collapse of communism and the reawakening of nationalism in Eastern Europe. Offered spring of even-numbered years.

HST 338. GERMANY: WAR, DEMOCRACY AND HITLER, 1914-1945 4 sh

This course will explore the history of Germany from the outbreak of World War I through the end of World War II. It begins

with an examination of the Second Reich (1871-1918) but concentrates on the two world wars and Germany's experiments with democracy during the Weimar Republic and dictatorship during the Nazi era.

HST 339. A HISTORY OF THE HOLOCAUST 4 sh

History of the Holocaust explores the roots of this event, beginning with historical anti-Semitism and the impact of this tradition on Adolph Hitler and the Nazis. Topics also include Hitler's racial policies between 1933-1938, their spread throughout Nazi Europe between 1939-1941, the evolution of the Final Solution from 1941-45, and post-World War II Holocaust developments and questions. Offered winter.

WESTERN HEMISPHERE

HST 351. HISTORY OF MEXICO 2 sh

An introduction to the history of Mexico and to its contemporary cultural and political life. The role of native peoples is emphasized in the early colonial period and in recent developments. The course also explores Mexico's relationship with the U.S. Offered spring of odd-numbered years.

HST 352. HISTORY OF CANADA 2 sh

An introduction to the history of Canada and to its contemporary cultural and political life. Focus is on the development of a Canadian national identity and on present day expressions of that identity within Canada's multicultural context. Offered winter or summer.

HST 355. CREATING HISTORY: RECORDING THE REMEMBERED PAST 4 sh

Students learn and practice the techniques of interviewing living historical actors who were involved in a particular period or issue in history, moving from preparatory research through transcribing the results. They also study oral history's strengths, weaknesses, ethics and uses. The specific research topics will vary.

**HST 356. EARLY NATIONAL PERIOD,
(1787-1840): FORCES THAT
SHAPED THE NATION** 4 sh

A study of the thought that produced the American Constitution and the implementation of that national government during the administration of its first seven presidents. Topics examine political, social and economic forces that affected national decisions and development. Offered fall of odd-numbered years.

**HST 357. AMERICA'S CIVIL WAR:
NATIONAL CATAclysm** 4 sh

Beginning with the era of Andrew Jackson, this course focuses on geographic, economic, social and political dynamics that tore the nation apart. Students analyze the causes of the Civil War and examine its military, social and political facets. A concluding study of the Reconstruction of the nation explores the resolution (or not) of the issues that generated the conflict.

**HST 358. THE US, 1877-1940:
THE CONSEQUENCES OF
MODERNIZATION** 4 sh

Focusing on the transformation to industrial capitalism, this course explores the major developments in American history from the end of Reconstruction to the beginning of World War II. Students examine the Gilded Age, progressivism, World War I, prosperity and nativism in the 1920's, the Great Depression and the New Deal, and the coming of war in Europe and Asia.

**HST 359. THE UNITED STATES SINCE 1940:
RECENT AMERICAN HISTORY** 4 sh

This study of American History is organized around four major themes: America in World War II; America's obsession with stopping communism; the tumultuous social movements of the 1960's; and the disillusionment caused by Vietnam and Watergate. Focus centers on how these events continue to affect American institutions.

**HST 361. NORTH CAROLINA
IN THE NATION** 4 sh

Study traces N.C. history from the first European contact to the present in the

wider context of U.S. history. Topics include: N.C. as a microcosm of the region and nation; Reconstruction and The New Deal; and N.C. political, economic, social and geographical features as related to national trends. Discussion also covers how family and community history are preserved and how the study of local history can enhance public understanding of national events. Offered fall and spring.

**HST 362. THE SOUTH IN AMERICAN
HISTORY: REGIONAL
SUBCULTURAL PERSISTENCE** 4 sh

This course examines the South (especially post-Civil War) as a distinctive region of the U.S., including reasons for such distinctiveness and its impact on the nation's history. Offered spring of odd-numbered years.

**HST 363. AFRICAN-AMERICAN HISTORY,
1850-PRESENT** 4 sh

Beginning with the slave system in the mid-19th century, this course examines recurring issues and problems in African-American history through the post-civil rights era. Study focuses on three themes: the similarity and differences of African-American experiences; the extent to which they were oppressed yet also had choices; and their strategies to cope with their social and political situations. Offered fall of odd-numbered years.

**HST 364. HISTORY OF WOMEN
IN THE U.S.** 4 sh

This course surveys the experiences of women in the U.S., emphasizing their changing political and economic status and gender role expectations. Topics focus on the historical factors—politics, war, social movements, technology, ideology—that caused such changes, strategies women utilized to change or cope with their situations and differences among women. Offered spring of even-numbered years.

**HST 365. SOCIAL MOVEMENTS IN
POST-CIVIL WAR AMERICA** 4 sh

This course covers organized efforts to change American society since Reconstruction, including social movements from

Populism in the late 1800s to the Civil Rights Movement in the 1960s, and the responses to these movements.

HST 367. AMERICAN MILITARY HISTORY THROUGH 1865 2 sh

Focus is on the impact of the American Revolution on the evolution of the army and navy, the relationship between military power and a growing sense of nationhood, and the American Civil War. Students will explore causes of military conflicts, the strategy and tactics of campaigns, and the impact of the resolution of these conflicts.

HST 368. AMERICAN MILITARY HISTORY SINCE 1865 2 sh

This course analyzes military power as a component of foreign policy. Students concentrate on America's shift from an isolationist nation to a major world power by examining the Spanish-American War, World War I, World War II, the Korean Conflict, Vietnam and recent engagements.

HST 369. AMERICAN INDIAN HISTORY 4 sh

Stressing the active role that Indian people have taken in the creation of their own history, this course focuses on complicated cultural and historic realities. Topics include pre-Columbian Indian societies, cultural adaptation, Removal, the Reservation Age, resistance movements, the Indian New Deal, post-war activism and cultural revitalization.

HST 460-469. SEMINAR: SPECIAL TOPICS

4 sh

A capstone experience for majors, this course offers students practical experience in researching, writing and presenting a senior thesis. Past topics have included American Civil War, England in the Age of Henry the Eighth, Russia, The Holocaust, Modern Africa, and American Social Movements. Prerequisites: junior/senior major or permission of instructor. Offered fall and spring.

HST 481. INTERNSHIP IN HISTORY 2-4 sh

Designed to provide students with practical experience in history-related professions, activities included in the internship enable students to explore careers in archives, record management, historic sites, museum administration, etc. Prerequisite: 18 semester hours of history.

HST 491. INDEPENDENT STUDY 2-4 sh

Open to junior/senior majors/minors or others with permission of instructor.

HST 499. RESEARCH IN HISTORY 1-4 sh

Open to junior/senior majors/minors or others with permission. In conjunction with a faculty mentor, the student will formulate and execute an original research project that will culminate in a formal presentation. A research proposal form completed by the student and faculty mentor is required for registration.

Human Services

Chair, Department of Human Services: Associate Professor Kiser

Associate Professor: Higgs

Assistant Professors: Bailey, Fair

Instructor: Gumm

The Human Services major prepares students to work as practitioners in a variety of professional service settings such as social services, mental health, family services, corrections, child care, youth programs, group homes and many others. The Human Services curriculum guides the student through gaining the knowledge, skills and experience necessary to work effectively with a variety of populations.

Students learn to examine critically a range of human and societal problems and the programs and services designed to address those problems. Students develop an understand-

ing of the societal, cultural and personal variables which contribute to the development of human problems and to their solution.

The Human Services major draws upon knowledge in the social sciences, especially psychology and sociology, and emphasizes the application of this knowledge to the improvement of human life and society. In order to apply this knowledge effectively, students develop a variety of skills including those involved in oral and written communication, problem solving, developing professional helping relationships, organization and administration.

A major in Human Services requires the following courses:

HUS 111	Principles and Methods in Human Services	4 sh
PSY 111	General Psychology	4 sh
SOC 111	Introductory Sociology	4 sh
HUS 212	Counseling Individuals & Families	4 sh
HUS 213	Counseling Groups & Communities	4 sh
SSC 285	Research Methods	4 sh
HUS 381	Practicum in Human Services	4 sh
HUS 411	Administration of Human Service Agencies	4 sh
HUS 412	Professional Communication	4 sh
HUS 461	Senior Seminar	4 sh
HUS 481	Internship in Human Services	8 sh
Eight semester hours selected from 4 hour Human Services courses		8 sh

TOTAL		56 sh
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Prior to taking Human Services 381 students must be approved by the Human Services Department. A minimum grade point average of 2.1 is required to be eligible for Practicum.

Most other major requirements must be completed prior to taking Human Services 481. Students who enroll in Human Services 481 may not take any courses other than the prescribed block courses. A minimum grade point average of 2.2 is required to be eligible for Internship. Applications for both Practicum and Internship must be completed by May 1 in order to enroll in these courses the following year. Applications are available in the office of the department chair.

A minor in Human Services requires the following courses:

HUS 111	Principles and Methods in Human Services	4 sh
HUS 381	Practicum in Human Services	4 sh
One course from the following:		4 sh
PSY 111	General Psychology	
SOC 111	Introductory Sociology	
One course from the following:		4 sh
HUS 212	Counseling Individuals & Families	
HUS 213	Counseling Groups & Communities	
Four semester hours Human Services course		4 sh

TOTAL		20 sh
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HUS 101. LEADERSHIP 2 sh

This course combines study and practical experience to increase knowledge and skills in leadership development and is appropriate for both emerging and established leaders. (No credit toward Human Services major.) Offered fall and spring.

HUS 102. PEER COUNSELING 2 sh

In this study/practical experience course students develop skills in interpersonal relations, gain an understanding of personal and community problems and learn to view the residence hall as a community. Required of all Resident Assistants. (No credit toward Human Services major) Offered fall and spring.

HUS 111. INTRODUCTION TO HUMAN SERVICES/ELR 4 sh

This course explores the history and values of the human services profession, examines theoretical approaches to human services work, provides an overview of the human services system in the United States, and acquaints students with the roles and responsibilities of human service professionals. A minimum of 40 hours of field work in an approved human services setting is required. Meets ELR. Offered fall and spring.

HUS 112. COUNSELING INDIVIDUALS AND FAMILIES 4 sh

This course examines various theories and methods used in helping families and individuals resolve problems. Students gain skills in applying these theories and methods through use of case studies, role plays, simulations and other experimental methods. Prerequisite: HUS 111 or PSY 111.

HUS 113. COUNSELING GROUPS AND COMMUNITIES 4 sh

Students will examine the role and history of working with groups and communities in the human services system. Theories and methods used in working with groups and communities will also be studied. Topics addressed in the course include group dynamics and group development as well as leadership models and approaches. Students

will gain skills in working with groups and communities through the use of case studies, simulations, role plays and other experimental methods. Prerequisite: HUS 111 or SOC 111.

HUS 311. POVERTY AND SOCIAL WELFARE POLICY 4 sh

Poverty is a core issue which underlies many social and human problems in the United States. This course will examine the social welfare system in the United States and the history and process of policy making in the United States around this issue. Alternative approaches to understanding and resolving the problem of poverty will also be explored. Emphasis will be placed on the role of the human services worker in policy making processes.

HUS 312. HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT 4 sh

This course explores theoretical and empirical knowledge of human behavior and the social environment as a foundation for human services delivery to individuals, families, groups and communities. Emphasis is placed on life transitions and on the diverse social conditions and contexts that may support or inhibit human development and functioning. Such factors as race and ethnicity, gender, sexual orientation, disability, socioeconomic status and rural/urban differences are explored as they impact human behavior and human development. The course focuses on the application of this knowledge through the use of case studies and other methods.

HUS 321. GROUP DYNAMICS AND LEADERSHIP 4 sh

Students explore group dynamics, group structure, leadership and the group worker role and are encouraged to examine and refine their own group communication and leadership skills. Prerequisite: HUS 213.

HUS 324. PERSPECTIVES AND ISSUES IN AGING 4 sh

This introduction to gerontology explores the biological, sociological and psychological aspects of aging and presents cultural, eco-

nomic and political issues related to aging such as ageism, retirement, living environments and the social security and health care movements.

HUS 326. SPECIAL POPULATIONS IN HUMAN SERVICES

4 sh

This course explores specific populations of human services clients such as persons with disabilities, children at risk, persons with HIV/AIDS, persons with terminal illnesses, etc. Needs of the particular populations under study are explored as well as programs, services and innovations in service provision. Specific populations studied vary based on current trends and issues in the field.

HUS 331. PRINCIPLES OF COUNSELING

4 sh

This course focuses on the theories and methods used in counseling individuals. The course is designed for persons who will work in the helping professions and includes role playing, videotaping and working with case material. Prerequisite: HUS 212.

HUS 341. FAMILY COUNSELING

4 sh

This course focuses on family assessment and intervention using systems theory as the primary conceptual model and emphasizes the use of family counseling concepts to understand family dynamics and relationships. Students make extensive use of case material and role play to apply theory to practice. Prerequisite: HUS 212.

HUS 359. CRIMINAL JUSTICE

4 sh

The field of criminal justice is examined in terms of three interdependent subsystems: law enforcement, corrections and the courts. Both theoretical models and practical applications will be used to encourage a broad understanding of the criminal justice system as a whole.

HUS 361. SUBSTANCE ABUSE: ISSUES IN TREATMENT

4 sh

Students become familiar with the contemporary theories and knowledge base concerning substance abuse. The course examines therapeutic issues involved in the treat-

ment of substance abusing persons and their families and reviews various types of treatment interventions. The course addresses innovative treatment modalities as well as the lack of sufficient and appropriate rehabilitative services to meet the needs of various special populations.

HUS 369. JUVENILE JUSTICE

4 sh

This course examines the juvenile justice system, including a number of agencies which have jurisdiction over a juvenile from birth to the age of majority. System components included in this course are the social services, law enforcement, juvenile court and corrections. Ancillary and supportive services such as mental health, school systems, child advocacy groups and guardian ad litem programs are also explored.

HUS 371-3. SPECIAL TOPICS IN HUMAN SERVICES

4 sh

Students examine special topics in human services, which includes such topics as developmental disabilities, mental health issues and services, family violence, etc.

HUS 381. PRACTICUM IN HUMAN SERVICES

4 sh

Students gain field experience in a human services organization full-time for at least three weeks, observing and learning the roles, tasks, skills and methods of human services professionals in the assigned setting and becoming familiar with administrative processes in the organization. Conferences with the supervising faculty member and the agency supervisor, assigned readings and journal writing provide further learning opportunities. Prerequisites: HUS 111, 2.1 GPA, status as a declared human services major or minor and approval of application for practicum. Offered winter.

HUS 411. ADMINISTRATION OF HUMAN SERVICES AGENCIES

4 sh

This overview of principles and techniques of leadership and management in human service agencies exposes students to planning, organizing, staffing and financing a project or an agency and working with a board of directors and the community.

(Senior Block Course) Prerequisites: HUS 111, 381. Offered fall and spring.

HUS 412. PROFESSIONAL COMMUNICATION 4 sh

An in-depth study of interpersonal communication skills and writing skills essential to the human services worker, emphasizing the further development of written and oral communication skills. Special emphasis in this course is placed on cross-cultural communications within helping relationships. (Senior Block Course) Prerequisites: HUS 111, 381. Offered fall and spring.

HUS 461. SENIOR SEMINAR 4 sh

In this capstone course, students analyze their personal and professional development during their college experience and are required to research, write and present a scholarly paper. Senior majors only. Offered fall and spring. Prerequisite: SSC 285.

HUS 481. INTERNSHIP IN HUMAN SERVICES 8 sh

Students participate in full-time field based experience in a human service agency for eight weeks, observing and practicing the roles, tasks and skills of human services professionals under the supervision of a faculty member and an agency supervisor. Conferences with both supervisors and assigned papers and readings enhance learning as the student makes the transition into full-time professional responsibility. Senior majors only. Prerequisite: HUS 381, 411 and 412. Offered fall and spring.

HUS 499. INDEPENDENT RESEARCH IN HUMAN STUDIES 1 - 8 sh

Students engage in independent research projects related to the field of human services. Research is conducted under the supervision of human services faculty. Junior or senior status and departmental approval required. Prerequisite: SSC 285.

Independent Major

Coordinator: Associate Professor Braye, Director of General Studies

Students with intellectual and professional interests which cannot be met by other major and minor programs may create an Independent Major. Independent Majors are interdisciplinary in nature and are suitable for highly motivated students willing to assume exceptional responsibility for their own education. Students must have a GPA of at least 3.0 and no more than 66 completed semester hours when applying. Advice from the Director of General Studies may be helpful in designing an Independent Major. Details concerning final approval for an independent major may be obtained in the Office of the Director of General Studies.

An Independent Major requires the following:

1. An Application for Independent Major, available from the Director of General Studies, must be completed before the student has earned 66 semester hours. This application also outlines the procedure to be followed for designing and declaring the Independent Major.
2. An interdisciplinary committee of three professors, including one designated as the principle advisor, must be assembled.
3. A curriculum must be designed, with help from the committee. That curriculum must include:

Completion of the General Studies Requirements

An Independent Major including:

- a minimum of 48 semester hours
- a minimum of 28 semester hours at the 300-400 level
- a capstone seminar
- a capstone interdisciplinary project
- a plan for assessing the completed major

The Independent Major courses must come from at least three departments, and no more than half may be from any one department. Upper-level courses taken to satisfy the requirements of an Independent Major will also satisfy the eight-hour advanced studies requirement when the Independent Major includes at least twelve hours of upper-level courses in three departments and at least two of the four areas listed under Liberal Studies. Students completing an Independent Major which designates an advanced GST Seminar as the capstone seminar must take another GST Seminar to fulfill the General Studies requirements.

No more than 4 semester hours of independent study may be included. This will usually be used for completion of the capstone interdisciplinary project.

International Studies

Coordinator: Professor Digre

Program Faculty: Professors: Bolin, W. Rich

Associate Professors: Chakrabarti, Romer

Assistant Professors: Chapman, J. Das, Helvey

The International Studies major provides students with an interdisciplinary program through which they can gain a broad knowledge of international affairs as well as expertise on one of the world's regions. Study abroad experiences and foreign language study form integral parts of the program. Students, with the support of their advisers, have considerable freedom in designing their own program of study.

The major may form an attractive double major for students from a variety of disciplines, such as political science, history and foreign languages. It also might be profitably combined with a business minor. It should provide an educational background for those seeking international affairs careers in government, nongovernmental organizations (development/humanitarian), travel and business.

Students are required to include a study abroad experience in their programs. Students should choose an area relevant to their regional concentrations. See below. International (foreign) students at Elon satisfy this requirement due to the inherent cross-cultural character of their college education. Under specified provisions of the program, up to 16 credit hours of foreign study can be counted toward the major.

A major in International Studies requires 44 semester hours. These requirements are specified as follows:

Foundation Courses

8 sh

POL/INT 241 International Relations

HST/INT 221 World in the Twentieth Century

Foreign Language Study

8 sh

Students shall take at least eight hours of study in one modern foreign language. Students must demonstrate foreign language proficiency by successful completion of a foreign language course at the 310 level (or its equivalent). Students should choose a language relevant to their regional concentrations. See below.

Global Studies

12 sh

Students must take courses from at least two of the following five areas. Appropriate special topics courses, as approved by the program coordinator, may be included in the global studies category.

Politics and Economics

- BUS 430 International Business Management
- ECO 201 Principles of Economics /INT
(Taught from an International Perspective)
- ECO 314 International Trade and Finance
- POL 114 Model United Nations
- POL 261 Comparative Politics
- POL 342 U.S. Foreign Policy
- POL 343 International Law and Organizations
- POL 344 International Environmental Policy
- POL 359 Political Communication

History and Geography

- GEO 131 The World's Regions
- HST 112 Europe and the Mediterranean World Since 1660
- GEO 310 Development and the Environment in Latin America, Africa and South Asia

Literature and Foreign Language

- ENG 231 World Literature
- ENG 331 Advanced World Literature
- Foreign languages 310, 321, 322 relevant to student's regional concentration

Society and Culture

- PSY 366 Psychology in Cultural Context
- REL 121 World Religions
- SOC 121 Cross Cultural Encounters
- SOC 212 Cultural Anthropology
- SOC 322 Ethnography
- SOC 328 Culture and the Modern World

Study Abroad

Students who have study abroad course credit that cannot be counted under Foreign Language Study or Regional concentration may count 4 semester hours under this category.

Regional Concentration

12 sh

At least three courses taken on one geographic region.
 Courses should be chosen from at least two disciplines.
 Study abroad and special topics courses, as approved by the
 program coordinator, may be included under the regional concentration.

Approved courses for regional concentrations in Africa, Asian/Pacific, and Europe are listed below. In addition, special area concentrations, designed by student and adviser, may be approved by the program coordinator.

Africa

- ART 341 African Art
- ENG 338 The African Experience in Literature
- FRE 362 Francophone Cultures Outside France
- GEO 320 Geography of Africa
- HST 313 Modern Africa
- HST 314 A History of Southern Africa
- JCM 346 African Film
- POL 367 Politics of Africa

Asian/Pacific

- ENG 337 Asian Literature of Social Change
- ENS 310 Environmental Issues of Southeast Asia
- HST 320 China, Japan and the Pacific Century
- PHL 352 Eastern Philosophy
- POL 363 Politics of Asia
- POL 365 Politics of Eurasia
- REL 353 Buddhism
- REL 356 Hinduism
- SOC 329 Peoples and Cultures of Southeast Asia
- SOC 344 Sociocultural Change in India

Europe

- ENG 222 British Literature II
- ENG 325 Romanticism
- ENG 326 Realism and the Later 19th Century
- ENG 356 The Novel: British Women Writers
- FRE 332 Introduction to French Literature II
- FRE 361 French Civilization
- HST 316 The History of Imperial Russia to 1917
- HST 317 Russia and the Soviet Union since 1917
- HST 324 England within the British Empire
- HST 326 History of Ireland
- HST 327 History of Scotland
- HST 335 Growth of Modern Europe
- HST 336 Europe, 1914-1945
- HST 337 Europe, 1945 to the Present
- HST 338 Germany, Democracy and Hitler, 1914-1945

HST 339	A History of the Holocaust
PHL 433	Marx, Darwin, Freud
POL 364	Politics of Europe
POL 365	Politics of Eurasia
SPN 332	Spanish Literature II
SPN 361	Spanish Civilization

Senior Seminar 4 sh

INT 461 Senior Seminar in International Studies

TOTAL 44 sh

A minor in International Studies requires the following:

POL/INT 241	International Relations	4 sh
HST/INT 221	The World in the Twentieth Century	4 sh
Twelve semester hours based on the program of study for the international studies major.		12 sh

Students should choose one of the following options:

- A Regional Concentration
- The Global Studies Field
- Foreign language study (8 sh) plus one elective selected from courses approved for the major

TOTAL 20 sh

Students are strongly encouraged to include a study abroad.

INT 221. THE WORLD IN THE TWENTIETH CENTURY

4 sh

(Same course as HST 221. See HST 221 for description.)

INT 241. INTERNATIONAL RELATIONS

4 sh

(Same course as POL 241. See POL 241 for description.)

INT 461. SENIOR SEMINAR

4 sh

The senior seminar is a capstone experience designed for majors. This course offers practical experience in researching, writing, and presenting a senior thesis which builds on previous work in global studies and the regional concentration.

INT 481. INTERSHIP IN INTERNATIONAL STUDIES

2-4 sh

Designed to provide students with opportunities to work in professional positions related to international affairs. Internships are intended to provide practical experience for future careers in government,

non-governmental organizations (development/humanitarian) and business. They may be arranged both in the United States and overseas. Prerequisite: Permission of program coordinator.

INT 491. INDEPENDENT STUDY

2-4 sh

Open to junior or senior majors with permission of instructor.

INT 499. RESEARCH

1-4 sh

Designed to allow students the opportunity to engage in an empirical or theoretical study in collaboration with a faculty member. Research projects may include reviewing relevant literature, developing a research design, data collection, analysis and presentation of findings. This may also include a presentation to the international studies faculty and/or a SURF presentation. Prerequisite: Permission of program coordinator.

Journalism and Communications

Chair, Department of Journalism and Communications: Assistant Professor Hamm

Associate Professors: Grady, Padgett

Assistant Professors: Book, Duvall, Frontani, Fulkerson, Gibson, Gisclair, R. Johnson, Lee, Nelson, Witherspoon

Students who choose majors in Journalism/Communications prepare for exciting careers in newspapers, magazines, radio, television, cable, public relations, advertising, corporate relations and film. Separate majors are offered in Journalism (directed toward career opportunities in print-related fields) and Communications (offering emphases in broadcast communications encompassing all electronic media, corporate communications and film communications).

Majors complete a range of courses offering study in the theory, history, law and ethics of communications, as well as practical hands-on experience in modern computer labs, a state-of-the-art television studio and well-equipped audio and video editing labs.

Students complement in-class work with involvement in various campus media from the award-winning campus newspaper *The Pendulum* and *Pendulum Online*, to WSOE radio station, to weekly cable television newscasts and talk shows through departmental programming and Elon College Television.

All majors are required to earn at least a "C" in JCM 218, Writing and Information Gathering, before advancing to courses requiring JCM 218 as a prerequisite.

A major in Journalism requires the following courses:

JCM 215	Intro to Journalism and Communications	4 sh
JCM 218	Writing & Information Gathering	4 sh
JCM 225	Reporting & Newswriting	4 sh
JCM 325	Editing & Layout	4 sh
JCM 425	Advanced Reporting	4 sh
JCM 315	Media & Society	4 sh
JCM 360	Media History	4 sh
JCM 465	Media Law & Ethics	4 sh
JCM 495	Senior Seminar	4 sh

Twelve semester hours of JCM elective at the 200-400 level (no more than 4 sh at the 200 level)	12 sh
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TOTAL	48 sh
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A major in Communications with Broadcast Emphasis requires the following courses:

JCM 211	Public & Presentational Speaking	4 sh or
JCM 245	Broadcast Performance	4 sh
JCM 215	Intro to Journalism and Communications	4 sh
JCM 218	Writing & Information Gathering	4 sh
JCM 240	Television Production	4 sh
JCM 335	Writing for Electronic Media	4 sh
JCM 315	Media & Society	4 sh
JCM 360	Media History	4 sh

JCM 465	Media Law and Ethics	4 sh
JCM 495	Senior Seminar	4 sh
Twelve semester hours of JCM elective at the 200-400 level (no more than 4 sh at the 200 level)		12 sh
TOTAL		48 sh

A major in Communications with Corporate Emphasis requires the following courses:

JCM 211	Public & Presentational Speaking	4 sh
JCM 215	Intro to Journalism and Communications	4 sh
JCM 218	Writing & Information Gathering	4 sh
JCM 318	Organizational Communications	4 sh
JCM 333	Public Relations	4 sh
JCM 240	Television Production	4 sh
JCM 327	Corporate Publishing/Writing	4 sh or
JCM 352	Corporate Video	4 sh
JCM 465	Media Law & Ethics	4 sh
JCM 495	Senior Seminar	4 sh
Eight semester hours of JCM elective at the 200-400 level		8 sh
Eight semester hours of 200-400 level electives in JCM or from the disciplines of the Love School of Business.		
At least 4 semester hours must be in BUS, ECO or ACC		8 sh
TOTAL		52 sh

A major in Communications with Film Emphasis requires the following courses:

JCM 215	Intro to Journalism and Communications	4 sh
JCM 218	Writing & Information Gathering	4 sh
JCM 240	Television Production	4 sh
JCM 261	Development of the Cinema	4 sh
JCM 495	Senior Seminar	4 sh

Film History and Theory

Twelve semester hours selected from the following: 12 sh

JCM 320	The Art of Film and Video Editing
JCM 337	The Documentary
JCM 346	African Film
JCM 349	The South in Film
JCM 361	Gender Issues in Cinema
JCM 362	Film Criticism
JCM 390	Film Censorship
JCM 463	The Auteur Director (4-8 sh)
JCM 491	Independent Study in Film (1-4 sh)

Film Production

Eight semester hours selected from the following:

JCM 230	Audio Production	4 sh
ENG 314	The Screenplay	4 sh or
JCM 344	Screenwriting	4 sh
JCM 355	Advanced Video Production	4 sh
JCM 358	Film Production	4 sh
JCM 384	Internship in Film Production	4 sh

Approved Transfer. A maximum of 8 hours of approved coursework in content areas not offered at Elon College. 2-8 sh

Electives

Select an additional 8 hours from any of the areas above, from other JCM courses and Independent Study. Additional transfer credits may not be applied in this category.

TOTAL 48 sh

A minor in Journalism/Communications requires the following courses:

JCM 211	Public & Presentational Speaking	4 sh
JCM 215	Intro to Journalism & Communications	4 sh
JCM 218	Writing & Information Gathering	4 sh
Four semester hours of JCM elective at the 200-400 level		4 sh
Eight semester hours of JCM elective at the 300-400 level		8 sh

TOTAL 24 sh

A minor in Film Studies requires the following:

Twenty semester hours selected from the following courses:

Course Requirements:

JCM 261	Development of Cinema	4 sh
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Choose an additional 16 hours from the following: 16 sh

JCM 320	The Art of Film & Video Editing
JCM 337	The Documentary
JCM 344	Screenwriting
JCM 346	African Film
JCM 349	The South in Film
JCM/ENG 362	Film Criticism
JCM 363	Kennedy Assassination & Film
JCM 384	Internship in Film Production (1-4 sh)
JCM 390	Film Censorship
JCM 463	The Auteur Director
JCM 491	Independent Study in Film (1-4 sh)
ENG/WGS 361	Gender Issues in Cinema

TOTAL 20 sh

Additional electives as approved by the department chair or film studies coordinator may be chosen from occasional offerings in other disciplines.

JCM 210. PUBLIC SPEAKING

2 sh

This study covers the fundamentals of public speaking, particularly principles and organization of oral and nonverbal communications with actual practice in delivery of ideas. Offered fall and spring.

JCM 211. PUBLIC AND PRESENTATIONAL SPEAKING

4 sh

This study of oral and nonverbal communication in public and corporate settings emphasizes audio/visual and other support materials. Students gain classroom practice in the organization and delivery of ideas, use of language and supporting evidence, reasoning and emotional appeals, diction and pronunciation. Offered fall and spring.

JCM 215. INTRODUCTION TO COMMUNICATIONS

4 sh

A survey of the history of newspapers, magazines, books, film, radio, television and cable in public and corporate communications. This course emphasizes the function and operation of contemporary mass media. Offered fall and spring.

JCM 218. WRITING AND INFORMATION GATHERING

4 sh

This course helps students develop the ability to think and write critically as they research, analyze and write about significant issues. The course also introduces information gathering processes (including interviewing techniques and database search) and styles of media writing. Offered fall and spring.

JCM 225. REPORTING AND NEWSWRITING

4 sh

By studying the basic types of news articles for the mass media, students learn to gather information and report it in standard journalistic style. The focus is on writing leads, interviewing techniques and editing copy. Word processing ability is necessary. Prerequisite: JCM 218. Offered fall and spring.

JCM 230. AUDIO PRODUCTION

4 sh

This course introduces audio as one element of mass communications. Course work

familiarizes students with basic production techniques applicable in radio, television and film. Students also learn basic studio operation, producing, writing and performing, with a focus on experience through exercises and production assignments. Offered fall.

JCM 240. TELEVISION PRODUCTION

4 sh

This introduction to basic principles, techniques and technologies of television production emphasizes video while using audio to enhance the visual image. Students learn through field news and production assignments, editing and studio production. Offered fall and spring.

JCM 245. BROADCAST PERFORMANCE

4 sh

To help students become more effective communicators and performers in electronic media, this course emphasizes communication of ideas on radio and television, particularly vocal and visual presentation, voice and diction, pronunciation, appearance, gestures and movement. Prerequisite: JCM 240. Offered spring.

JCM 251. COMMUNICATIONS STUDIES ABROAD

4 sh

JCM 261. DEVELOPMENT OF CINEMA

4 sh

To gain an appreciation of the historical development of film as an art form, students view significant films and study the contributions of important directors. Offered fall and spring.

JCM 265. FILM AESTHETICS AND DESIGN

4 sh

This course examines the artistic aspects of film and television, including production design, camera composition, color, motion, editing, sound effects and music. Clips of films will be used as examples. Students will be evaluated on the basis of a class notebook and short production exercises.

JCM 310. INTERPERSONAL COMMUNICATION

2 sh

The fundamental assumption of interpersonal communication is that skills can be acquired, changed, developed and/or improved that will enhance effectiveness in creating and sustaining interpersonal rela-

tionships. Topics include self-concept, perception, listening and conversation skills, and conflict resolution.

JCM 312. SMALL GROUP COMMUNICATIONS 2 sh

This course provides an understanding of small group processes in secondary groups such as committees, task forces, quality circles, work groups, boards and teams.

Through discussion, application and practice, students will develop skills likely to serve them in future work and community life.

JCM 315. MEDIA & SOCIETY 4 sh

This study of the role of mass communications media in society examines the structure, function and interaction of mass media, with consideration to media constraints and effects on society. Prerequisite: JCM 215.

Offered fall and spring.

JCM 318. ORGANIZATIONAL COMMUNICATIONS 4 sh

As an introduction to process and patterns of communications within organizations, the course covers techniques of information dissemination and the application of various media and methods. Offered fall and spring.

JCM 320. THE ART OF FILM AND VIDEO EDITING 4 sh

This course is an in-depth analysis of film editing including historical perspective and study of the theory of editing. Prerequisite: JCM 240.

JCM 325. EDITING AND LAYOUT 4 sh

Students study and practice in design and makeup of the modern newspaper, including copy editing, headline writing, scaling and cropping of photographs, caption writing, page layout, and use of art and graphics. Prerequisite: JCM 218. Offered spring.

JCM 326. FEATURE WRITING 4 sh

The study of basic types of feature articles for newspapers and magazines emphasizes applying techniques of fiction (narrative, characterization, dialogue, scenes) to nonfiction writing. Prerequisite: JCM 218.

JCM 327. CORPORATE PUBLISHING 4 sh

This introduction to print and other non-broadcast media used in corporate and institutional settings to communicate with internal and external publics includes basic design and layout using desktop publishing and presentational software and emphasizes writing for corporate purposes. Prerequisite: JCM 218. Offered fall and spring.

JCM 328. MAGAZINE EDITING AND PRODUCTION 4 sh

An examination of the magazine publishing industry from concept to marketing and promotion of the finished product. The course will examine industry trends and processes including the complete planning, editing, and production cycle. Students will use desktop publishing technology to propose, design and create a finished prototype of an all new magazine.

JCM 330. BROADCAST JOURNALISM 4 sh

In this critical approach to the gathering, reporting and production of radio and television news, students discuss and evaluate news, commentary and sports features. Each student creates and produces documentary and feature programs. Prerequisites: JCM 218 and JCM 240.

JCM 333. PRINCIPLES OF PUBLIC RELATIONS 4 sh

A combined survey of intermediate level courses covering basic public relations objectives and problems, this course emphasizes research, use of communication tools, and use of the media to reach various publics. Prerequisite: JCM 218. Offered fall and spring.

JCM 335. WRITING FOR ELECTRONIC MEDIA 4 sh

This general course acquaints students with the style, forms and content approaches used in writing for radio, television and other audio/visual presentations. Prerequisite: JCM 218. Offered fall and spring.

JCM 337. THE DOCUMENTARY 4 sh

Students trace the origins of the documentary, subsequent developments and its current status in this survey course.

JCM 344. SCREENWRITING

4 sh

Students will learn the techniques of writing for the cinema. Various film formats such as drama, comedy and documentary will be explored. Students will be required to write several scripts of varied lengths.

JCM 345. ADVANCED AUDIO PRODUCTION

4 sh

The advanced study of audio production techniques (editing, music and sound effects, signal processing and multi-channel production) includes announcing, commercials, news and documentary production. Prerequisites: JCM 230.

JCM 346. AFRICAN FILM

4 sh

This course will examine films produced in Africa by Africans. The course will concentrate on the history of the continent and the problem of modernity vs. tradition as expressed in the films. Students will be asked to study the film "language" created by African Cinema.

JCM 349. THE SOUTH IN FILM

4 sh

This course investigates films about the American South produced during the twentieth century. Each film is studied from two viewpoints; the time of the film and the time of the filming. The time of the film refers to the historical setting of the production. The time of the filming places the film within the historical context of the time the film was produced.

JCM 352. CORPORATE VIDEO PRODUCTION

4 sh

As they learn to research, write, rewrite and produce video productions for internal and external corporate presentations, students use studio and remote production equipment to produce projects. Course work emphasizes achieving an organizations goals through the video medium by informing, persuading and entertaining. Prerequisites: JCM 218 and JCM 240. Offered spring.

JCM 355. ADVANCED VIDEO PRODUCTION

4 sh

As an advanced study of video production techniques for use in television broadcasting and other video media, this course concentrates on electronic field production and emphasizes the aesthetics of teleproduction.

Students research, write and produce public service announcements, commercials and newscasts. Prerequisite: JCM 240. Offered fall.

JCM 358. FILM PRODUCTION

4 sh

This course provides students with the basic concepts of film style cinematography and editing. Students will write, shoot and edit their own productions utilizing video. Prerequisite JCM 240.

JCM 360. MEDIA HISTORY

4 sh

By examining major trends, important personalities, technological advancements and the historical impact of mass communications, students gain an understanding of how various media are interrelated and the interaction between media and society. Offered fall and spring.

JCM 361. GENDER ISSUES IN CINEMA

4 sh

(Same course as ENG 361. See ENG 361 for description.)

JCM 362. FILM CRITICISM

4 sh

(Same course as ENG 362. See ENG 362 for description.)

JCM 363. KENNEDY ASSASSINATION & FILM

4 sh

This course will explore the details of the assassination of President John F. Kennedy and the way it has been presented in film. Special emphasis will be placed on the study of the assassination as a film genre and any residual effects on the world of motion pictures.

JCM 364. MOVIES ABOUT MEDIA

4 sh

This course examines print journalism, radio, television and motion pictures by looking at films which use these media as central subject matter. Possible films to be viewed include *Absence of Malice*, *All the President's Men*, *The Paper*, *Pump up the Volume*, *Broadcast news*, *Network*, *Day for Night*, *The Player* and *The Stunt man*.

JCM 365. INTRODUCTION TO INTERACTIVE MEDIA

4 sh

The success of the CD-ROM has ushered in the age of interactive communication. This course will examine the history and

structure of interactive media as well as explore its potential use in education and communication. Students will construct their own interactive presentations using HyperCard for the Macintosh.

JCM 371. SEMINAR: SPECIAL TOPICS 1-4 sh

Recent studies in seminars have included magazine journalism, propaganda and mass media, rock music and mass media.

JCM 380. MEDIA WORKSHOP 1-4 sh

In an on-campus practicum in radio or television production or broadcasting, newspaper publishing or public relations, students must arrange a learning contract with the instructor at the beginning of each term. Prerequisites: junior/senior status, permission of instructor.

JCM 381. JOURNALISM INTERNSHIP 1-4 sh

An off-campus, advanced level work experience in journalism is offered on an individual basis when suitable opportunities can be arranged. Prerequisites: JCM 225, 325, junior/senior status, permission of instructor. Offered fall and spring.

JCM 382. BROADCAST INTERNSHIP 1-4 sh

An off-campus, advanced level work experience in broadcasting is offered on an individual basis when suitable opportunities can be arranged. Prerequisites: JCM 240, junior/senior status, permission of instructor. Offered fall and spring.

JCM 383. CORPORATE INTERNSHIP 1-4 sh

An off-campus, advanced level work experience in corporate communications is offered on an individual basis when suitable opportunities can be arranged. Prerequisites: JCM 240 or 325, junior/senior status, permission of instructor. Offered fall and spring.

JCM 387. WEB PUBLISHING AND DESIGN 4 sh

Students develop an understanding of on-line publishing: the effective use of this vehicle as a publication tool and its impact on society. Students will experiment with diverse ways of using different media such as text, graphics, sound and video to effectively get their ideas across.

JCM 384. FILM PRODUCTION INTERNSHIP 1-4 sh

An off-campus, advanced level work experience in film production is offered on an individual basis when suitable opportunities can be arranged. Prerequisites: junior/senior status, permission of instructor. Offered fall, winter, spring and summer.

JCM 390. FILM CENSORSHIP 4 sh

The focus of this course is on the evolution of film censorship in the United States. Some films that have been suppressed or censored will be viewed and discussed in class. Students will study this topic within the framework of first amendment rights guaranteed by the U.S. Constitution.

JCM 425. ADVANCED REPORTING 4 sh

This study of sophisticated reporting techniques includes investigative reporting techniques and the editor's role in covering community news. The campus newspaper, The Pendulum, serves as a lab. Prerequisites: JCM 218 and JCM 225. Offered fall.

JCM 430. TV NEWS REPORTING 4 sh

In an advanced study of electronic news gathering, students analyze current examples of news and public affairs programming as well as research, write, edit and produce television news packages to be assembled into television newscasts. Prerequisites: JCM 218, JCM 240 and JCM 330.

JCM 460. INTERNATIONAL COMMUNICATIONS 4 sh

Students examine the media systems of many countries, stressing the chief problem of communications across cultural, economic, sociological and political barriers.

JCM 462. POLITICS IN MASS MEDIA 4 sh

This course examines the effects of mass media on the American political system and traces the evolution of media impact from print journalism through radio and television.

JCM 463. THE AUTEUR DIRECTOR 4 sh

The auteur theory proposes that the greatest moves are dominated by the personal vision of one person, the director. This course

examines the career of a specific director, emphasizing his/her auteur characteristics. Students view selected films from the directors filmography and prepare a paper on a particular auteur characteristic.

JCM 465. MEDIA LAW & ETHICS 4 sh

Study covers law and ethics in print journalism and broadcasting with particular emphasis on libel laws, invasion of privacy, free press, fair trial, obscenity and pornography, censorship and federal regulations of broadcasting content. Offered fall and spring.

JCM 490. RESEARCH METHODS 4 sh

This course presents the theoretical and methodological knowledge necessary to

conduct mass communication research, political polling, marketing research and the reporting of research.

JCM 491. INDEPENDENT STUDY 1-4 sh

JCM 495. SENIOR SEMINAR 4 sh

This capstone course for majors examines current issues and research in journalism, broadcast communications and corporate communications and film. Students demonstrate competence in areas (such as communication theory, history and law) through projects and examinations. Prerequisite: senior status. (Students must pass this course with a grade of "C-" or better.) Offered fall and spring.

Leisure/Sport Management

Chair, Department of Health Promotion, Leisure and Human Performance: Professor Calhoun

Professor: Beedle

Associate Professors: Drummond, Farmer

Assistant Professor: Miller

The Department of Health Promotion, Leisure and Human Performance offers majors in Health Education, Leisure/Sport Management, Physical Education and Sports Medicine (Exercise Sports Science and Athletic Training).

Study in Elon's Leisure/Sport Management program offers excellent preparation for those wishing to enhance quality of life for themselves and others through leisure opportunity. Specifically, students develop a philosophical foundation in leisure and sport, acquire a knowledge base in business administration, study interpersonal skills applicable to the leisure setting and learn by active participation.

A major in Leisure/Sport Management requires the following courses:

L/SM 212	Introduction to Leisure/Sport Management	4 sh
L/SM 326	Facility Planning and Maintenance Management	4 sh
L/SM 327	Leadership and Events Management	4 sh
L/SM 351	Leisure/Sport Sales and Marketing	4 sh
L/SM 365	International Aspects of Leisure/Sport	4 sh
L/SM 405	Legal Aspects of Leisure/Sport	4 sh
L/SM 426	Leisure/Sport Policy	4 sh
L/SM 461	Senior Seminar	4 sh
L/SM 481	Internship in Leisure/Sport Management	6 sh
SPM 432	Research Methods	4 sh
ACC 201	Introduction to Financial Accounting	4 sh

BUS 302	Business Communications	4 sh
BUS 323	Introduction to Managing	4 sh
Total		54 sh

A minor in Leisure/Sport Management requires the following courses:

L/SM 212	Introduction to Leisure/Sport Management	4 sh
L/SM 326	Facility Planning and Maintenance Management	4 sh
L/SM 327	Leadership and Events Management	4 sh
Eight (8) semester hours chosen from the following:		8 sh
L/SM 351	Leisure/Sport Sales and Marketing	
L/SM 365	International Aspects of Leisure/Sport	
L/SM 405	Legal Aspects of Leisure/Sport	
L/SM 426	Leisure/Sport Policy	
Total		20 sh

185

LSM 212. INTRODUCTION TO LEISURE/ SPORT MANAGEMENT 4 sh

An introduction to leisure/sport management fundamentals emphasizing the role and relevance of each to society. Students study terminology, philosophies and evolution of leisure, internal and external recreation factors, leisure concepts and contemporary issues. Offered fall and spring.

LSM 326. FACILITY PLANNING AND MAINTENANCE MANAGEMENT 4 sh

This study focuses on area and facility planning and maintenance principles in leisure settings, including developing a master plan, and analyzing the relationship of maintenance and planning to risk management, visitor control, vandalism and law enforcement. Offered fall.

LSM 327. LEADERSHIP AND PROGRAMMING 4 sh

Students study the principles of leadership and group dynamics as they apply to leisure activity programming and learn to identify, develop and apply component skills such as needs assessment, inventory, evaluation, etc. Offered fall.

LSM 351. LEISURE/SPORT SALES AND MARKETING 4 sh

This course examines the theory and pragmatic aspects of service marketing, promotions and public relations and their application to the leisure/sport industry. Students

will participate in an actual promotion project. Offered spring.

LSM 365. INTERNATIONAL ASPECTS OF LEISURE/SPORT 4 sh

Leisure and sport are universal. Today, the leisure industry is one of the most financially important and pervasive industries in the world. This course seeks to expand student awareness and appreciation for cultural diversity through examination of the various meanings which leisure and sport have within different cultural groups. Offered fall.

LSM 405. LEGAL ASPECTS OF LEISURE/SPORT 4 sh

The United States is the most litigious nation in the world. Consequently, as a major sector of the economy, the leisure/sport industry managers must be aware of component legal issues in order to operate safely and efficiently. This course will allow students to examine pertinent legal issues such as contracts, personal and product liability, risk management, gender discrimination, human resources and drug testing. Offered spring.

LSM 426. LEISURE/SPORT POLICY 4 sh

This course examines policy development in various sectors of the leisure/sport industry. Study will focus on issues such as land-use policy, public-private funding arrangements, leisure funding legislation, anti trust, labor relations, taxation and the Olympic movement. Students will critique existing

leisure/sport policy through case studies and attendance of relevant local public meetings. Offered spring.

LSM 461. SENIOR SEMINAR 4 sh

Students review their major work and education and demonstrate ability to analyze contemporary issues/problems in leisure and sport management. Offered fall and spring.

LSM 481. INTERNSHIP IN LEISURE/SPORT MANAGEMENT 6 sh

This course provides students with 240 supervised hours (agency/college) of experiential exposure in the area of their vocational interest. Students demonstrate knowledge, skills, abilities and competencies in the areas of: organization and administration, leadership techniques, program planning and

implementation, fiscal administration, personnel development and supervision, public and political relations and area/facility planning, development and maintenance. Students will submit the following to the academic supervisor: learning objectives, weekly reports, and an agency survey showing comprehensive knowledge of the agency. Arrangements with a professor should be made prior to the semester in which the internship is taken. Prerequisite: Must have a 2.0 GPA in the major; for majors only. Offered fall, spring and summer.

LSM 491. INDEPENDENT STUDY 1-4 sh

LSM 499. RESEARCH IN LEISURE/SPORT MANAGEMENT 1-4 sh

Mathematics

Chair, Department of Mathematics: Assistant Professor Allis

Professors: Francis, Haworth, W. Hightower

Associate Professors: Barbee, Clark, Richardson

Assistant Professors: Coles, Lee, Russell

Adjunct Instructors: Walton, Whiffen

The Department of Mathematics offers programs leading to the A.B. or B.S. degree with a major in mathematics. A minor in mathematics is available for students majoring in another discipline.

Mathematics is an excellent major for the student whose immediate objective is to acquire a good liberal arts education. Students who complete a bachelor's degree in mathematics may choose several postgraduate alternatives, including an advanced degree in either mathematics or another closely related field (computer science, biometry, information science, statistics, operations research).

Students who combine mathematics with another discipline that uses mathematics can also pursue graduate work in the second discipline. These areas include biology, chemistry, economics, medicine, physics and many of the social science disciplines. In addition, mathematics majors may teach at the secondary level or work in business, industry or government positions which emphasize analytical reasoning.

The bachelor of arts and the bachelor of science degrees in Mathematics require the following core courses:

MTH 121	Calculus and Analytic Geometry I	4 sh
MTH 221	Calculus and Analytic Geometry II	4 sh
MTH 231	Mathematical Reasoning	4 sh
MTH 311	Linear Algebra	4 sh

MTH 312	Abstract Algebra	4 sh
MTH 321	Calculus and Analytic Geometry III	4 sh
MTH 425	Analysis	4 sh
MTH 361	Seminar I	2 sh
MTH 461	Seminar II	2 sh
TOTAL		32 sh

A bachelor of arts degree in Mathematics requires the following courses:

Core courses in Mathematics	32 sh
One course selected from	4 sh
MTH 331 Modern Geometry	
MTH 341 Probability & Statistics	
MTH 351 Theory of Computation	
MTH 415 Numerical Analysis	
MTH 421 Differential Equations	
MTH elective(s) at the 300-400 level (excluding MTH 481)	4 sh
CSC 130 Computational Programming	4 sh
PHY 113 Physics W/Calculus I	4 sh
TOTAL	48 sh

A bachelor of science degree in Mathematics requires the following courses:

Core courses in Mathematics	32 sh
One course selected from	4 sh
MTH 331 Modern Geometry	
MTH 341 Probability & Statistics	
MTH 351 Theory of Computation	
MTH 415 Numerical Analysis	
MTH 421 Differential Equations	
MTH elective(s) at the 300-400 level (excluding MTH 481)	4 sh
CSC 130 Computational Programming	4 sh
One CSC course numbered above 130	4 sh
PHY 113 Physics W/ Calculus I	4 sh
PHY 114 Physics W/ Calculus II	4 sh
TOTAL	56 sh

Secondary Teaching Certification in Mathematics

Students planning to teach Mathematics at the secondary level must complete a bachelor of arts or bachelor of science degree in mathematics and include MTH 331 and 341 among the Mathematics requirements, in addition to the required professional education courses (see professional education course requirements listed under Education).

A bachelor of science degree in Engineering Mathematics: See requirements listed under Engineering.

A minor in Mathematics requires the following courses:

MTH 121	Calculus and Analytic Geometry I	4 sh
MTH 221	Calculus II	4 sh
MTH 231	Mathematical Reasoning	4 sh
MTH 311	Linear Algebra	4 sh
Elective(s) from MTH 114 or Mathematics courses numbered 200 or above (excluding MTH 210 and MTH 481)		
Computer Science courses, or Economics 202		4 sh
TOTAL		20 sh

A student may exempt Mathematics 111, 115, and/or 121 by demonstrating proficiency.

Once a student has received credit, including transfer credit for a course, credit may not be received for any course with material that is equivalent to it or is a prerequisite for it, without permission of the Mathematics Department.

MTH 100. INTERMEDIATE ALGEBRA 4 sh

This course strengthens fundamentals such as exponents, factoring, equation solving, rational expressions, radicals, quadratic equations and graphing of first-degree equations. MTH 100 or demonstrated competence is required of all students. Must be completed with "C-" or better before taking any other mathematics course. Does not satisfy general studies requirement in Mathematics. A graphing calculator is required. No credit to students having passed MTH 110 or 111, or a course with MTH 111 prerequisite. Offered fall and spring.

MTH 110. THE NATURE OF MATHEMATICS 4 sh

This course provides insight into the nature of mathematics, emphasizing reasoning, communicating mathematical ideas, applications and quantitative skills. Topics include the mathematics of social choice, the mathematics of voting, weighted voting systems, fair division, graph theory and its role as a tool in modeling and solving real world problems, population growth, linear growth, exponential growth, sequences and series, recursive definition of sequences and the use of recursion and technology to model real world processes, statistics and probability. Prerequisite: MTH 100 or placement exemption. No credit to students with prior credit for MTH 114 or higher (unless the

major is middle grades education). Offered fall, winter and spring.

MTH 111. COLLEGE ALGEBRA WITH APPLICATIONS 4 sh

This course provides a study of algebraic and geometric models of various functions and relations using a graphing calculator and traditional methods. Application to "real world" problems is emphasized. Topics include real and complex numbers, systems of equations, relations, functions and graphs. A graphing calculator is required. Prerequisite: MTH 100 or placement exemption. No credit to students with prior credit for MTH 115 or higher. Offered fall, winter and spring.

MTH 114. ELEMENTARY STATISTICS 4 sh

Students needing a general overview of modern statistics study topics such as organization of data, measures of central tendency and variability, normal distribution, sampling, tests of hypothesis, estimation, correlation and regression. A graphing calculator is required. Prerequisite: MTH 110 or 111 or placement exemption. No credit for both ECO 202 and MTH 114. Offered fall, winter and spring.

MTH 115. TRIGONOMETRY 4 sh

This course provides a study of algebraic, trigonometric, exponential and logarithmic functions and their behavior. Constructing, analyzing and describing mathematical

models of everyday phenomena is emphasized. A graphing calculator is required. Prerequisite: MTH 111 or placement exemption. Offered fall and winter.

MTH 116. APPLIED MATHEMATICS WITH CALCULUS *4 sh*

This introduction to linear systems and differential calculus emphasizes applications to problem-solving in business and economics. Students gain enhanced ability to analyze a problem mathematically and study the following topics: functions, limits, derivatives and applications of derivatives. No credit for students with MTH 121 or its exemption. Prerequisite: MTH 111 or placement exemption. Offered fall, winter and spring.

MTH 121. CALCULUS AND ANALYTIC GEOMETRY I *4 sh*

Students are introduced to analytic geometry, functions, limits and continuity, differentiation of algebraic functions with applications, the definite integral and the fundamental theorem of integral calculus. A graphing calculator is required. Prerequisite: MTH 115 or placement exemption. Offered fall and spring.

MTH 210. MATHEMATICS FOR ELEMENTARY AND MIDDLE GRADES TEACHERS *4 sh*

This course is open only to students majoring in elementary education, special education or middle grades education with a concentration in mathematics. Topics include problem solving, numeration systems, set theory, rational and irrational numbers (concepts, operations, properties and algorithms), geometry, measurement and selected topics in probability and statistics. Prerequisite: general studies mathematics requirement. Offered fall and spring.

MTH 221. CALCULUS AND ANALYTIC GEOMETRY II *4 sh*

Students explore applications of the definite integral, differentiation and integration of transcendental functions, techniques of integration, indeterminate forms, improper integrals, infinite sequences and series. A graphing calculator is required. Prerequisite: MTH 121. Offered fall and spring.

MTH 231. MATHEMATICAL REASONING *4 sh*

This study of proof techniques and reasoning skills introduces the student to another side of mathematics, namely proof. The student's preceding courses (e.g. precalculus and calculus) usually focus on calculations. Topics include mathematical logic, sets, mathematical induction, combinatorics, relations and countability arguments. Approved for advanced level designation. Prerequisite: MTH 121. Offered fall and spring.

MTH 311. LINEAR ALGEBRA *4 sh*

This introductory course in linear algebra includes systems of linear equations, matrices, determinants, vector spaces, eigenvalues, eigenvectors, orthogonality, and linear transformations. Proofs of the major theorems and a variety of applications are also covered. Prerequisites: MTH 221 and 231. Offered fall and spring.

MTH 312. ABSTRACT ALGEBRA *4 sh*

Students who have had an introduction to the rules of logic and proof-construction are introduced to abstract algebra, including topics such as functions, groups (cyclic, permutation, normal, and quotient), properties of groups, rings, fields, homomorphisms, isomorphisms, real and complex numbers and polynomials. Prerequisites: MTH 231 and 311. Offered spring.

MTH 321. CALCULUS AND ANALYTIC GEOMETRY III *4 sh*

This course provides a study of advanced techniques of differential and integral calculus, including plane curves and polar coordinates, 3-dimensional analytic geometry including vectors, differentiation and integration of multivariable functions, applications. A graphing calculator is required. Prerequisite: MTH 221. Offered fall.

MTH 331. MODERN GEOMETRY *4 sh*

This rigorous treatment of axiomatic foundations of Euclidean geometry through Hilbert's axioms includes the role and independence of the parallel postulate (revealed through models and neutral geometry), straightedge and compass constructions, historical and philosophical implications of the

discovery of non-Euclidean geometry, with an introduction to both hyperbolic and elliptic geometry. Prerequisite: MTH 231. Offered fall of odd-numbered years.

MTH 341. PROBABILITY THEORY AND STATISTICS 4 sh

Topics include axiomatic probability, counting principles, discrete and continuous random variables and their distributions, sampling distributions, central limit theorem, confidence intervals and hypothesis testing. Prerequisites: MTH 221 and 231. Offered fall of even-numbered years.

MTH 351. THEORY OF COMPUTATION 4 sh
(Same course as CSC 351. See CSC 351 for description.)

MTH 361. SEMINAR I 2 sh
This course prepares mathematics majors for Seminar II, the capstone seminar, by instruction and experience in library research and formal oral presentations on advanced mathematical topics selected by the instructor and students. Prerequisite: junior/senior standing or permission of the mathematics department. Offered spring.

MTH 371. SPECIAL TOPICS 2-4 sh
Topics are selected to meet the needs and interests of students.

MTH 415. NUMERICAL ANALYSIS 4 sh
This introduction to numerical analysis includes floating point arithmetic, interpolation, approximation, numerical integration and differentiation, nonlinear equations and linear systems of equations. Prerequisites: CSC 130, MTH 311 and 321, or permission of the instructor. (CSC 415 is the same as MTH 415.) Offered spring of even numbered years.

MTH 421. DIFFERENTIAL EQUATIONS 4 sh
Topics in this in-depth study of methods of solution and applications of ordinary differential equations include first order differential equations (linear and nonlinear), linear differential equations of higher order, math-

ematical models using second order equations, systems of differential equations and numerical techniques including Euler, Improved Euler and the Runge-Kutta method. Computers or programmable calculators may be used. Prerequisite: MTH 321. Offered spring of odd-numbered years.

MTH 425. ANALYSIS 4 sh

This course provides in-depth study of topics introduced in the three-course calculus sequence, including sequences and series, continuity and differentiation of functions of a single variable, the Riemann integral, and the fundamental theorem of calculus. Prerequisites: MTH 312 and 321. Offered fall.

MTH 461. SEMINAR II 2 sh

In this capstone experience for senior mathematics majors, students conduct extensive research on a mathematical topic and formally present their work in writing and orally. Course requirements include a satisfactory score on the ETS major field achievement test. Prerequisite: MTH 361 and junior/senior standing, or permission of the department. Offered fall.

MTH 471. SPECIAL TOPICS 2-4 sh
Topics are selected to meet the needs and interests of the students.

MTH 481. INTERNSHIP IN MATHEMATICS 1-4 sh

The internship provides advanced work experiences in some aspect of mathematical sciences and is offered on an individual basis when suitable opportunities can be arranged. Prerequisite: Permission of the department.

MTH 491. INDEPENDENT STUDY 1-4 sh
Prerequisite: Permission of the department. May be repeated with different topics for up to a total of eight semester hours.

Medical Technology

Chair, Department of Biology and Allied Health: Associate Professor N. Harris

Associate Chair: Assistant Professor Ulrich

Program Director: O'Laughlin

Medical Director: Steuterman

College Program Director: H. House

See Biology

Military Science

191

Elon College, in cooperative agreement with North Carolina A&T State University, offers an Army Reserve Officers' Training Corps (ROTC) program.

The Army Reserve Officers' Training Corps program provides a viable elective program for both male and female students. The program is divided into a basic course and an advanced course. These are normally completed during a four-year period. However, it is possible for veterans and other students who elect to undergo special training to complete the program in two years.

PROGRAMS OF INSTRUCTION

Programs of instruction for the Army ROTC include a four-year program and a two-year program. The four-year program consists of a two-year basic course, a two-year advanced course and the advanced ROTC Summer Camp. The two-year program encompasses a basic ROTC Summer Camp, a two-year advanced course and the advanced ROTC Summer Camp.

BASIC COURSE

The basic course is normally taken during the freshman and sophomore years. The purpose of this instruction is to introduce the student to basic military subjects: branches of the Army; familiarization with basic weapons, equipment and techniques; military organization and functions; and the techniques of leadership and command. It is from the students who successfully complete this instruction that the best qualified are selected for the advanced course which leads to an officer's commission.

Credit for the basic course can be obtained by successful completion of the following courses:

MSC 111	Introduction of Citizen/Soldier	1 sh
MSC 112	Introduction to U.S. Military Forces	1 sh
MSC 141, 142	Leadership Laboratory	1 sh/ea
MSC 211	Development of Professional Military Skills I	1 sh
MSC 212	Development of Professional Military Skills II	1 sh
MSC 241, 242	Leadership Laboratory	1 sh/ea
TOTAL		8 sh

Successful completion of Military Science 251, or prior service in the Armed Forces, can be used to obtain appropriate credit for the basic course.

ADVANCED COURSE

Students who receive appropriate credit for the basic course and meet eligibility standards are admitted to the advanced course on a best qualified basis. Successful completion

of the advanced course qualifies the student for a commission as a Second Lieutenant in one of the branches of the United States Army, Army Reserves or Army National Guard. The following courses are required for completion of the advanced course:

MSC 311	Leadership Training	2 sh
MSC 312	Introduction to Military Team Theory	2 sh
MSC 341, 342	Leadership Laboratory	1 sh/ea
MSC 351	Army ROTC Advanced Camp	4 sh
MSC 411	Seminars in Leadership and Professional Development	2 sh
MSC 412	Leadership, Law and Ethics	2 sh
MSC 441, 442	Leadership Laboratory	1 sh/ea
Total		16 sh

TWO-YEAR PROGRAM

This program is designed for junior college students or sophomores at four-year institutions who have not taken ROTC. A basic six week summer training period after the sophomore year takes the place of the basic course required of students in the traditional four-year program. When a student with two years of college has successfully completed the basic summer training, he/she is eligible for the advanced ROTC course in his/her junior and senior years. The advanced course, which leads to an officer commission, is the same for students in either the two-year program or the four-year programs.

MSC 111. INTRODUCTION OF CITIZEN/SOLDIER

1 sh

ten and oral communications, physical fitness and general military subjects.

MSC 112. INTRODUCTION TO U.S. MILITARY FORCES

1 sh

Introduction to U.S. Military Forces provides an introduction to and fosters the early development of leadership and soldier skills. Topics of training include leadership, drill and ceremonies, first aid and general military subjects.

MSC 212. DEVELOPMENT OF PROFESSIONAL MILITARY SKILLS II

1 sh

Instruction in the second part of this sequence expands the students' frame of reference to include an understanding of roles and responsibilities and fosters internalization of the Professional Army Ethic. Training is basic in scope and includes written and oral communication, military skills, professional knowledge subjects and physical fitness.

MSC 141,142. LEADERSHIP LABORATORY (each semester)

1 sh

Hands-on, practical training is the focus of the Leadership Laboratory. Students become proficient in basic military skills, drill and ceremonies, first aid and conducting inspections. Attention is also given to individual arms and marksmanship techniques.

MSC 241, 242. LEADERSHIP LABORATORY (each semester)

1 sh

This Leadership Laboratory serves as a learning laboratory for hands-on practical experiences. Training includes instruction on operations, tactics, land navigation, first aid and general military subjects. Key course components emphasize the functions, duties and responsibilities of junior noncommissioned officers. The primary focus is the

MSC 211. DEVELOPMENT OF PROFESSIONAL MILITARY SKILLS I

1 sh

This course continues the development of cadet leadership and critical skills. Training is basic in scope and includes leadership, writ-

continued development of leadership potential through practical experience. The APFT is given to assess the state of physical development.

MSC 251. ARMY ROTC BASIC CAMP 4 sh

Basic Camp is six weeks of training at Fort Knox, KY, consisting of Army history, role and mission, map reading/land navigation, rifle marksmanship, basic leadership techniques, physical training/marches, individual and unit tactics and communications. This course can be taken by rising juniors to substitute for MSC 111, 112, 141, 142, 211, 212, 241, 242. Prerequisite: qualification tests.

MSC 311. LEADERSHIP TRAINING 2 sh

Designed to prepare cadets for the full range of responsibilities associated with Advanced Camp, Leadership Training refines the leader development process. Instruction is supplementary in scope and includes leadership, written and oral communications, operations, tactics and general military subjects.

MSC 312. INTRODUCTION TO MILITARY TEAM THEORY 2 sh

This course emphasizes the development of intermediate level cadet leader skills in preparation for Advanced Camp. Training is supplementary in scope and includes leadership, written and oral communications, operations, tactics, land navigation, weapons and general military subjects.

MSC 341, 342. LEADERSHIP LABORATORY (each semester) 1 sh

In this learning laboratory for hands-on practical experiences, the focus is on soldier team development at a squad/patrol level and supplementary training includes land navigation and weapons. Emphasis is also placed on the development of intermediate leader skills in a field environment. The APFT is administered to assess physical development.

MSC 351. ARMY ROTC ADVANCED CAMP 4 sh

Normally taken the summer following the junior year, the six-week Advanced Camp training/internship is conducted at designat-

ed U.S. Army installations. Prerequisite: MSC 312.

MSC 411. SEMINARS IN LEADERSHIP AND PROFESSIONAL DEVELOPMENT 2 sh

Cadets develop leadership, technical and tactical skills through performance as a trainee/supervisor. Supplementary training includes leadership, written and oral communications, operations and tactics, physical fitness, training management and general military subjects. The focus gradually shifts to familiarize the student with future assignments as an officer.

MSC 412. LEADERSHIP, LAW AND ETHICS 2 sh

Leadership, Law and Ethics continues the development of critical leadership skills. Training includes leadership, ethics, professionalism, law, written and oral communications, operations, tactics and general military subjects. The course culminates with instruction on making the transition to the Officer Corps.

MSC 441,442. LEADERSHIP LABORATORY (each semester) 1 sh

Hands-on practical experiences reinforce cadet training, which is designed to solidify the commitment to officership, reinforce individual competencies and afford maximum practical officer leadership experiences. The laboratory emphasizes the functions, duties and responsibilities of junior Army officers, with special attention directed to developing advanced leadership skills through active participation in planning and conducting military drills, ceremonies and field training.

MSC 451. AIRBORNE TRAINING 3 sh

Three weeks of intensive airborne training includes physical conditioning, landing techniques, parachute safety, simulated jumps, procedures in and around aircraft and five combat jumps from Air Force aircraft at 1,250 feet. Selection for this opportunity is highly competitive. Only a few cadets nationwide are accepted.

Music

Chair, Department of Music: Professor Bragg

Associate Professors: Erdmann, Fischer

Assistant Professors: De Journett, Futrell, Lee

Instructor: LaRocco

Adjunct Professor: Artley

Adjunct Instructors: Boitnott, M. Bragg, Cykert, Dula, Eagle, King, Mann, McMillian,

Novine-Whitaker, Sullivan, Van Ord

Artist-in-Residence: Metzger

194

The Department of Music at Elon College offers three music degrees. The B.S. in Music Education is for those students who wish to teach in elementary, middle or high school music programs. The program is a collaborative effort between the Music Department and the Education Department. The A.B. in Music Performance is for those students who wish to emphasize the study of instrumental or vocal music. Students in this program will be expected to become accomplished performers while developing a solid base in theory, composition and history. The A.B. in Music is primarily for those students who do not wish to concentrate on a performance area or who wish to double major in another liberal arts department. Students in this program will have a continuing background in musical performance through participation in ensembles of their choice and private lessons.

A major in Music requires the following courses:

MUS 111	The Materials of Music I	3 sh
MUS 112	The Materials of Music II	3 sh
MUS 211	The Materials of Music III	3 sh
MUS 212	The Materials of Music IV	3 sh
MUS 154	Piano Class I	1 sh
MUS 155	Piano Class II	1 sh
MUS 315	The Music of Ancient Times Through Mozart	4 sh
MUS 316	Music History from Beethoven to Present Day	4 sh
MUS 495	Senior Seminar	2-4 sh

In addition, each music major must complete:

- | | | |
|-----|---|---------|
| (a) | Eight semester hours Music electives at 300-400 level | 8 sh |
| (b) | Six semesters of applied music lessons | 6-10 sh |
| (c) | Ensembles | 4 sh |

TOTAL	42-48 sh
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A major in Music Education requires the following courses:

MUS 111	The Materials of Music I	3 sh
MUS 112	The Materials of Music II	3 sh
MUS 113	Aural Skills I	1 sh
MUS 114	Aural Skills II	1 sh
MUS 211	The Materials of Music III	3 sh
MUS 212	The Materials of Music IV	3 sh
MUS 213	Aural Skills III	1 sh
MUS 214	Aural Skills IV	1 sh
MUS 313	Form and Analysis	2 sh

MUS 315	The Music of Ancient Times Through Mozart	4 sh
MUS 316	Music History from Beethoven to Present Day	4 sh
MUS 361	Percussion Techniques	1 sh
MUS 362	Brass Techniques	1 sh
MUS 363	Woodwind Techniques	1 sh
MUS 364	String Techniques	1 sh
MUS 366	Conducting	2 sh
MUS 411	Instrumental and Choral Arranging	2 sh
MUS 413	Twentieth Century Techniques	2 sh
MUS 461	Music Education in the Public Schools	4 sh

195

In addition, each Music Education major must complete:

- (a) Applied music lessons, at least one semester at 300 level 6-12 sh
- (b) Half-recital accepted by music faculty
- (c) Ensemble from Music 101, 102, 103 and 105 8 sh
- (d) Keyboard proficiency
- (e) Concert attendance as outlined in the Music Student Handbook.

TOTAL**54-60 sh**

In addition, vocal majors must take MUS 258, Diction for Singers.

The music student must also complete the required professional education courses and observe the requirements for the teacher education program as outlined under Education.

The major in Music Performance requires the following courses:

MUS 111	The Materials of Music I	3 sh
MUS 112	The Materials of Music II	3 sh
MUS 113	Aural Skills I	1 sh
MUS 114	Aural Skills II	1 sh
MUS 211	The Materials of Music III	3 sh
MUS 212	The Materials of Music IV	3 sh
MUS 213	Aural Skills III	1 sh
MUS 214	Aural Skills IV	1 sh
MUS 313	Form and Analysis	2 sh
MUS 315	The Music of Ancient Times Through Mozart	4 sh
MUS 316	Music History from Beethoven to Present Day	4 sh
MUS 413	Twentieth Century Techniques	2 sh

A choice of one of the following: 2 sh

- MUS 366 Conducting
- MUS 369 Methods and Materials of Piano Pedagogy
- MUS 411 Instrumental and Choral Arranging

In addition, each Music Performance major must complete:

- (a) Applied music lessons, at least one semester at the 400 level 7-14 sh
- (b) Half solo recital at the 300 level
- (c) Full solo recital at the 400 level
- (d) Ensemble from Music 101, 102, 103 and 105 (8 sh)

- (e) Keyboard proficiency
- (f) Concert attendance as outlined in the Music Student Handbook.

TOTAL	45-52 sh
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In addition, vocal majors must take MUS 258, Diction for Singers.

A minor in Music requires 20 semester hours. Students lacking functional knowledge of the keyboard must accumulate two semester hours in piano either prior to, or simultaneously with their enrollment in Music 111 and 112.

The following courses are required:

MUS 111	The Materials of Music I	3 sh
MUS 112	The Materials of Music II	3 sh
A choice of one of the following:		4 sh
MUS 303	Music History for the Liberal Arts Student	
MUS 315	The Music of Ancient Times Through Mozart	
MUS 316	Music History from Beethoven to Present Day	
MUS 319	History of American Music	

In addition, each Music Minor must complete:

- | | | |
|-----|---|------|
| (a) | One medium of applied music instruction | 6 sh |
| (b) | Ensemble from MUS 101, 102, 103 and 105 | 4 sh |

TOTAL	20 sh
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A minor in Jazz Studies requires 24 semester hours.

The following courses are required:

MUS 111	The Materials of Music I	3 sh
MUS 113	Aural Skills I	1 sh
MUS 112	The Materials of Music II	3 sh
MUS 114	Aural Skills II	1 sh
MUS 254	Jazz Improvisation I	1 sh
MUS 255	Jazz Improvisation II	1 sh
MUS 256	Jazz Harmony	2 sh
MUS 318	History of Jazz	4 sh

In addition, each jazz studies minor must complete:

- | | | |
|-----|---|------|
| (a) | One medium of applied music instruction | 4 sh |
| (b) | Ensemble from MUS 104 or 219 | 4 sh |

TOTAL	24 sh
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APPLIED MUSIC: INDIVIDUAL AND GROUP INSTRUCTION

Music majors/minors register for the appropriate level and area of applied music study as determined by audition and consultation with their advisor or the department chair. With permission of the department, the general college student

may register for any course in applied music. Weekly 30-minute lesson: 1 sh credit (Section A). Weekly 60-minute lesson: 2 sh credit (Section B). A special fee is required for nonmajors.

APPLIED MUSIC: INDIVIDUAL INSTRUCTION

Piano: 120, 220, 320, 420
 Organ: 121, 221, 321, 421
 Voice: 122, 222, 322, 422
 Trumpet: 123, 223, 323, 423

French Horn: 124, 224, 324, 424
 Trombone: 125, 225, 325, 425
 Baritone (Euphonium): 126, 226, 326, 426
 Tuba: 127, 227, 327, 427
 Flute: 128, 228, 328, 428
 Oboe: 129, 229, 329, 429
 Clarinet: 130, 230, 330, 430
 Bassoon: 131, 231, 331, 431
 Saxophone: 132, 232, 332, 432
 Violin: 133, 233, 333, 433
 Viola: 134, 234, 334, 434
 Cello: 135, 235, 335, 435
 String Bass: 136, 236, 336, 436
 Guitar: 137, 237, 337, 437
 Percussion: 138, 238, 338, 438
 Electric Bass: 139, 239, 339, 439

APPLIED MUSIC CLASSES:

GROUP INSTRUCTION

MUS 152, 153. VOICE CLASS I & II 1 sh
 Group voice instruction ranges from beginner to intermediate.

MUS 154-157. PIANO CLASS I-IV 1 sh
 Group piano instruction ranges from beginner to intermediate.

MUS 158. GUITAR CLASS 1 sh
 Beginners develop musical skills with the guitar—simple chords, melodies and songs—using elements of classical guitar techniques as a foundation.

MUS 258. DICTION FOR SINGERS 2 sh
 Students learn to use the International Phonetic Alphabet and are introduced to the pronunciation of English, Latin, Italian, French and German as it applies to vocal literature. Required of voice majors.

MUSIC MATERIALS, STRUCTURES AND TECHNIQUES

MUS 111, 112. THE MATERIALS OF MUSIC I & II 3 sh

A study of the fundamentals of music, diatonic harmony and elementary voice-leading and part-writing includes an introduction to harmonic-melodic form, analysis and synthesis of harmonic practices through secondary seventh chords. Offered fall and spring.

MUS 113, 114. AURAL SKILLS I & II 1 sh
 Study emphasizes melodic-harmonic-rhythmic dictation, sight singing and keyboard study. Offered fall and spring.

MUS 211, 212. THE MATERIALS OF MUSIC III & IV 3 sh

A continuation of Music 112 on an advanced level includes complex chromatic harmonies and emphasizes analysis and composition of standard musical forms. Prerequisite: MUS 112. Prerequisite for 212: MUS 211. Offered fall and spring.

MUS 213, 214. AURAL SKILLS III & IV 1 sh
 These courses provide advanced study in melodic-harmonic-rhythmic dictation, sight singing and keyboard study. Prerequisite: MUS 114. Offered fall and spring.

MUS 254, 255. JAZZ IMPROVISATION I & II 1 sh
 Instrumentalists or vocalists develop skills in improvisational jazz performance techniques.

MUS 256. JAZZ HARMONY 2 sh
 This course is a study of jazz harmonic vocabulary and its application to the jazz repertoire. Seventh chords, chord symbols, voicings, guide tones, color tones, voice leading and reharmonizations are examined. All students play the instrument of their choice AND piano. Prerequisite: MUS 112.

MUS 311. COUNTERPOINT 4 sh
 Analysis and composition of period works are part of the study of counterpoint from the 16th to 20th centuries with applications to various vocal and instrumental writings. Prerequisite: MUS 212.

MUS 313. FORM AND ANALYSIS 2 sh
 Acquaints the student with the standard forms of tonal music through the aural and visual study of micro and macro forms of representative works. Offered fall of alternate years. Prerequisite: MUS 112

MUS 413. TWENTIETH CENTURY TECHNIQUES 2 sh
 A study of the changes which have taken place in music of the twentieth century.

Techniques to be studied include atonality, polytonality, serialism, integral serialism, dodecaphony and electronic music. Offered spring of alternate years. Prerequisite: MUS 112.

MUS 411. INSTRUMENTAL AND CHORAL ARRANGING 2 sh

Students explore technical possibilities and limitations of individual instruments and voices. Study also covers arranging and transcribing for various combinations of instruments and voices. Prerequisite: MUS 112.

MUS 265-465. COMPOSITION 1 sh

Students write compositions integrating techniques of studied repertoire as they explore musical composition in weekly individual meetings with an instructor. Prerequisite: MUS 112 or permission of instructor.

LITERATURE AND HISTORY

MUS 216. THE STUFF OF MUSIC 4 sh

Through a series of exercises, readings, outside class activities and class participation, students become familiar with the materials which form the basis of music, including instruments, notation and terminology. Hands-on application includes basic performance on rhythm instruments and composing simple music compositions.

MUS 217. WORLD MUSIC 4 sh

Text readings, listening, research, writing and class presentation are part of an introduction to the music of Asia, Eastern Europe, Africa, and Central and South America. Students gain increased awareness of the art and music of other cultures, make connections with their own art and folk traditions and search for shared meanings of all musical expression.

MUS 303. MUSIC HISTORY FOR THE LIBERAL ARTS STUDENT 4 sh

Non-music majors gain improved skills to enhance musical enjoyment, basic knowledge of music styles and events, and focus on placing this knowledge in the context of world events and trends. Study covers select personalities and works in music through

substantial reading, listening, research and writing.

MUS 315. THE MUSIC OF ANCIENT TIMES THROUGH MOZART 4 sh

This survey of music through the Baroque period emphasizes Renaissance and Baroque counterpoint through reading, listening, analysis, research and writing. Students also explore counterpoint through original compositional exercises. Offered spring of alternate years. Prerequisite: MUS 112.

MUS 316. MUSIC HISTORY FROM BEETHOVEN TO PRESENT DAY 4 sh

By reading, listening, research and writing, students explore the relationship of 18th- and 19th-century music to the world – as the expression of artists responding to political, social and philosophical environments. The course also emphasizes the progressive study of formal analysis, from smaller forms to the large single and multi-movement genres of the period. Offered fall of alternate years. Prerequisite: MUS 112.

MUS 318. HISTORY OF JAZZ 4 sh

This overview of jazz music from about 1900 to the present is designed for the liberal arts major. Topics include jazz styles, individual musicians and the development and progress of jazz through the 20th century.

MUS 319. HISTORY OF AMERICAN MUSIC 4 sh

Study of American music from 1620 to the present focuses on elements of various musical cultures (i.e. Western and Eastern Europe, Africa, Latin America) that have influenced the American style of music.

MUSIC EDUCATION

The following technique courses are required for music majors seeking music teacher certification.

MUS 361. Percussion Techniques 1 sh

MUS 362. Brass Techniques 1 sh

MUS 363. Woodwind Techniques 1 sh

MUS 364. String Techniques 1 sh

MUS 366. Conducting 2 sh

Students develop skill in baton and rehearsal techniques and interpretation in training and leading various ensembles of instruments and voices.

**MUS 461. MUSIC EDUCATION
IN THE PUBLIC SCHOOLS** 4 sh

A study of the methods and materials suitable for teaching at all levels covers the administration of band, orchestra and choral programs in the public schools with additional emphasis on marching band techniques. Offered spring of alternate years.

Prerequisite: MUS 112.

ENSEMBLES

MUS 101. WIND ENSEMBLE 1 sh

Open to all students.

MUS 102. ELON CHORALE 1 sh

Open to all students.

MUS 103. ELON CHAMBER ORCHESTRA 1 sh

By audition only.

MUS 104. JAZZ ENSEMBLE 1 sh

By audition only.

MUS 105. ELON CAMERATA 1 sh

By audition only.

MUS 106. CHAMBER ENSEMBLE 1 sh

By audition only.

MUS 107. ÉLAN (vocal jazz ensemble) 1 sh

By audition only.

MUS 108. PERCUSSION ENSEMBLE 1 sh

By audition only.

MUS 219. JAZZ COMBO 1 sh

Students explore jazz literature for small groups of instruments to gain an understanding of individual roles in a small ensemble. This will include planning, graphing and constructing improvisations within various musical forms.

OTHER OFFERINGS

**MUS 369. METHODS & MATERIALS OF PIANO
PEDAGOGY** 2 sh

Students interested in teaching piano in a private studio explore group and individual instructional techniques for beginning and intermediate students, suitable repertoire, basic keyboard musicianship and pupil psychology.

MUS 471. SEMINAR: SPECIAL TOPICS 1-4 sh

Small groups study under the guidance of a member of the staff.

MUS 491. INDEPENDENT STUDY 1-4 sh

MUS 495. SENIOR SEMINAR 2-4 sh

This capstone experience for music, music theatre and theatre arts majors includes a comprehensive evaluation of the student's previous education in the major field, a major project to demonstrate proficiency in the student's major area of interest or emphasis, and preparation of materials necessary for enrollment in graduate school or the profession.

Music Theatre

Chair, Department of Performing Arts: Associate Professor McNeela

Professor: Bragg

Assistant Professors: Becherer, Rubeck, Sabo, Wellford

Adjunct instructor: Johnson

The Department of Performing Arts offers a Bachelor of Fine Arts in Music Theatre, a degree geared toward the student who wishes to pursue a career in performance or graduate studies following graduation. Admission to the program requires an audition demonstrating initial talent.

Coursework within this major is designed to train students in the three essential skill areas for music theatre: music, acting and dance. Students take studio dance classes in Ballet, Jazz,

Modern and Tap; studio voice lessons; music theory and a minimum of four semesters of acting. Further study includes the literature and history of music theatre.

Practical application of all aspects of study are expected through participation in department stage productions, concerts and recitals. Outreach to the professional world occurs throughout the course of study through participation in vocal, dance and theatre festivals; conventions, auditions and competitions. The final result is an artist prepared for entry to the world of professional performance.

A major in Music Theatre requires the following courses:

MTE 301	History of Music Theatre	4 sh
MTE 302	Music Theatre Literature	4 sh
MTE 321	Performance in Music Theatre	4 sh
MTE 495	Senior Seminar	4 sh
MUS 111	Materials of Music I	3 sh
MUS 113	Aural Skills I	1 sh
MUS 154	Piano Class	1 sh
THE 120	Acting I	4 sh
THE 220	Acting II	4 sh
THE 221	Acting III	4 sh
DAN 150	Dance for the Musical Stage I	1 sh
DAN 420	Dance for the Musical Stage II	1 sh

In addition, each major must complete the following:

- | | | |
|-----|---|-------|
| (a) | six semesters of private voice at appropriate level | 12 sh |
| (b) | six semesters of studio technique courses in dance with a minimum of one credit in each of the following:
Ballet, Jazz, Modern and Tap | 6 sh |
| (c) | electives selected from Music Theatre, Theatre Arts, Dance or Music | 14 sh |
| (d) | one semester hour of singing in an ensemble | 1 sh |

TOTAL	68 sh
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MTE 301. HISTORY OF MUSIC THEATRE 4 sh

This course, open to all students, explores the origins and development of music theatre, its theatrical conventions and major elements from the mid-18th century to the present. Offered fall or spring.

MTE 302. MUSIC THEATRE LITERATURE 4 sh

The purpose of this course is to expose the student to the staples of the music theatre literature, to develop a critical sensitivity to the medium and to enable analysis of music, plots, characters and situations in contemporary music theatre. Prerequisite: MUS 111, 113. Offered spring.

MTE 321. PERFORMANCE IN MUSIC THEATRE 4 sh

This performance-oriented course provides a systematic approach to achieving a high level of singing-acting skills. Students also receive training and practice in selecting, preparing and presenting audition material. Prerequisites: MUS 122 B, THE 120. Offered spring.

MTE 322. MUSIC THEATRE AND OPERA SCENE STUDY 4 sh

This performance-oriented course integrates music and theatre performance skills through the selection, development and presentation of partnered scenes from music

theatre and opera repertoire. Prerequisites: two semesters of MUS 122 B or permission of instructor.

MTE 495. SENIOR SEMINAR

4 sh

This capstone experience for senior majors

centers on a practical project which demonstrates proficiency in performance skills and preparation for graduate study or entry into the profession. Prerequisite: senior majors only. Offered fall.

Non-Violence Studies

Coordinator: Assistant Professor Cassebaum

Non-Violence Studies takes an interdisciplinary approach to seeking solutions to violence in its many forms. This program offers students the opportunity to critically analyze popular notions concerning the causes of violence and challenges them to consider a variety of other perspectives. By taking courses in a number of disciplines, all focused on the same topic, students are encouraged to integrate the methods and essential questions of fields including religion, political science, economics, literature, sociology and psychology.

This minor is recommended for those interested in multicultural and international relations. The minor consists of a minimum of 20 semester hours, including a capstone course. An internship of 1-4 s.h. is strongly recommended.

A minor in Non-Violence Studies requires the following:

NVS 461-469 capstone course plus sixteen semester hours selected from the following courses or other approved newly offered courses from at least three different departments.

*ECO 371	Economic Justice	4 sh
*ENG 110-NV	College Writing: Writing About Poverty	4 sh
*ENG 370	Simple Living	4 sh
*ENG 372	Literature of Non-Violence	4 sh
GST/ENG 373	America and Vietnam	4 sh
HST 133	Civil Rights Movement	4 sh
HST 365	History of Social Movements in Post-Civil War America	4 sh
NVS 171	Introduction to Mediation	4 sh
NVS/POL 372	Politics of Non-Violence in U.S.	4 sh
PHL 115	Ethical Practice	4 sh
PHL 352	Eastern Philosophy	4 sh
POL 342	U.S. Foreign Policy Since 1939	4 sh
POL 367	Politics of Africa	4 sh
POL 368	Latin American Politics	4 sh
*POL 371	International Terrorism	4 sh
*POL 441	Peace, War, and Conflict Resolution	4 sh
PSY 325	Psychology of Protest Music	4 sh
PSY 357	Criminal Behavior	4 sh
*PSY 377	Psychology of Non-Violent Conflict Resolution	4 sh
*REL 279	Topics in Eastern Religion	4 sh

REL 345	Theology of Human Liberation	4 sh
REL 348	Environmental Ethics	4 sh
REL 353	Buddhism	4 sh
*REL 377	Feminist Ethics	4 sh
SOC 112	Introduction to Anthropology	4 sh
SOC 241	Social Issues and Problems	4 sh
SOC 245	Non-Violence of the Brave	4 sh
SOC 341	Ethnic and Race Relations	4 sh
SOC 343	Social and Cultural Change	4 sh
TOTAL		20 sh

* Designates courses which are routinely offered, although not listed by title in the catalog.

NVS 461-469 SEMINARS ON NON-VIOLENCE

4 sh

These seminars combine two or more interdisciplinary approaches to the problem of violence. Each will include exploration of non-violent approaches to conflict situations. Prerequisite: Two courses in non-violence studies.

NVS 381 INTERNSHIP IN NON-VIOLENCE STUDIES

1-4sh

Research, service, and occupational internships focusing on issues relating to violence and non-violence. Prerequisite: Two courses in non-violence studies and permission of the coordinator.

Philosophy

Chair, Department of Philosophy: Assistant Professor Lubling

Professor: Sullivan

Associate Professors: Batchelor, Weston

Assistant Professor: Cahill

Philosophy — the very name means “love of wisdom” — lies at the heart of a liberal arts education. Philosophy at Elon has both a wisdom orientation for exploring enduring human concerns and a practical intent to enhance our lives together and our care for the earth.

Philosophical study focuses on three sets of skills: 1) critical and constructive thinking — aiding students in identifying, analyzing and offering solutions to problems; 2) ethical practice — exploring ways to act wisely and effectively in our life with others; and 3) interpretive understanding — allowing students to bridge the meaning and value systems of diverse individuals, cultures and epochs.

Such skills are valuable for law and leadership, ministry and the helping professions, citizenship and service, and for deepening the quality of our lives. At 36 semester hours, the philosophy major is designed to allow room for a double major or a career-related minor.

A major in Philosophy requires the following courses:

PHL 113	Critical Thinking	4 sh
PHL 115	Ethical Practice	4 sh
PHL 331	Ancient Philosophy	4 sh
PHL 333	Modern Philosophy	4 sh

One course from among the following:	4 sh
PHL 431 Contemporary Philosophy	
PHL 432 American Philosophy	
PHL 433 Marx, Darwin, Freud	
Three courses chosen from any additional philosophy offerings	12 sh
PHL 461 Integrative Tutorial	4 sh
TOTAL	36 sh

A minor in Philosophy requires the following courses:

PHL 113 Critical Thinking	4 sh
PHL 115 Ethical Practice	4 sh
PHL 331 Ancient Philosophy	4 sh <i>or</i>
PHL 333 Modern Philosophy	4 sh
Two courses chosen from any additional philosophy offerings	8 sh
TOTAL	20 sh

203

PHL 113. CRITICAL THINKING 4 sh

This foundation course in critical thinking introduces reading and listening skills, argument analysis and evaluation, and creative problem-solving methods. Such skills are valuable throughout life, from making effective presentations to promoting independent thinking. Offered fall and spring.

PHL 115. ETHICAL PRACTICE 4 sh

Ethical practice is a foundation course exploring ways to act wisely and effectively in our life with others. Drawing on the philosophical tradition and on critical examination of life situations, students engage such topics as personal integrity, sensitivity and fairness to others, and conditions for collaborative and respectful living. Offered fall and spring.

PHL 331. ANCIENT PHILOSOPHY 4 sh

This study of the origins of Western philosophy concentrates on the Golden Age of Greece, including such topics as Socrates, his predecessors, and his great successors, Plato and Aristotle. Students consider what it means to live a human life in a humane and liberating communal context. Offered at least once every two years.

PHL 332. MEDIEVAL PHILOSOPHY 4 sh

This study focuses on 12th and 13th century European intellectual developments,

showing how Platonic and Aristotelian strands blend with Jewish, Christian and Islamic elements. Special topics include Bernard and Abelard, Averroes and Maimonides, Hildegard and Mechtild, Aquinas and Bonaventure, Dante and Eckhart.

PHL 333. MODERN PHILOSOPHY 4 sh

Discussion centers on crucial intellectual developments in the 17th and 18th centuries when the modern Western world view arose. Specific attention is given to far-reaching changes in philosophical methods, theory of knowledge, new senses of self and world, and thinkers such as Descartes, Hume and Kant. Offered at least once every two years.

PHL 334. POLITICAL PHILOSOPHY 4 sh

Political Philosophy is a study of the roots of modern political thought, including such key 17th and 18th century developments as the case for sovereignty in the modern nation state, the rise of individual rights and the rationale for modern democracy. Major thinkers such as Hobbes, Locke and Rousseau are studied against the background of their turbulent times.

PHL 337. DANTE'S JOURNEY 4 sh

This course will follow Dante's journey as expressed in *The New Life* and *The Divine*

Comedy. In the process of following Dante's journey, we will explore the phenomenon of courtly love, go through Hell together, learn the process of getting in touch with the more subtle obstacles to our growth as we climb the seven-storied mountain of Purgatory, and finally explore levels of consciousness that take us through the spheres of spiritual deepening to the Love that moves the sun and other stars.

PHL 341. PHILOSOPHY OF LAW 4 sh

This basic examination of the nature, function and limits of law gives attention to human rights and natural justice, law and morality, theories of punishment and questions of legal responsibility. The course is of particular interest to pre-law, business and political science students.

PHL 342. PHILOSOPHY AND SOCIETY 4 sh

This course pursues a philosophical approach to the relation of individuals and social institutions. Topics considered may include the nature and possibility of the social sciences, philosophy of technology and the nature of community.

PHL 343. AGES AND STAGES OF LIFE 4 sh

In an archetypal approach to the stages of life, this course draws from transpersonal psychology/philosophy and from myths and stories of the first and second halves of life. The study seeks practical insights from developmental psychology and various spiritual teachings to help students deal with crucial life issues.

PHL 344. PHILOSOPHY OF SCIENCE 4 sh

Course study promotes the intelligent, critical assimilation of scientific information by developing a general framework for analyzing scientific claims. Topics include the structure of scientific reasoning, science in its cultural context, and the logical and other elements shaping scientific change.

PHL 345. FEMINIST PHILOSOPHY 4 sh

This survey and application of feminist philosophies examines feminism as a liberative movement with distinct ethical and political arguments; feminism as a revalua-

tion of much that is overlooked and dismissed in traditional culture; and other forms of feminism.

PHL 348. ENVIRONMENTAL ETHICS 4 sh

Students explore the bearing of philosophical and religious ethics upon practical problems regarding the natural environment. This course also considers the possible need for new ethical frameworks to address the environmental crisis we now face. (Same course as REL 348.)

PHL 352. EASTERN PHILOSOPHY 4 sh

Eastern Philosophy centers first on ancient China, exploring the Book of Changes and the thought of Lao Tzu and Confucius. The course continues with investigation of Buddha's insight, following Mahayana Buddhism into China, where it becomes Zen. Finally, the course examines the spirit of Zen and its influence on Japanese arts and culture.

PHL 355. PHILOSOPHY OF RELIGION 4 sh

This course explores Eastern and Western approaches to religious experience and notes differences between the literal, moralistic (exoteric) and the symbolic, mystical (esoteric) understandings of any religion. Students examine parable, teaching story, paradox, and the problem of religious language and consider ways of assessing religious claims, communities and personal practices. (PHL 355 is the same as REL 355.)

PHL 371-379. SPECIAL TOPICS 4 sh

Special topics are variable courses of timely and enduring interest. Past and current offerings include:

PHL 372 Philosophy of Education

PHL 373 Philosophy and the Holocaust

PHL 374 Philosophy of Love and Feminism

PHL 375 Philosophical Themes in the Films of Woody Allen

PHL 376 Philosophy of Camus

PHL 378 Law in Literature and Film

PHL 431. CONTEMPORARY PHILOSOPHY 4 sh

Students become acquainted with philosophical trends in the 20th century and develop appropriate skills of inquiry. The course surveys the changing landscape of philosophy in this volatile century and introduces students to key figures who have shaped that landscape.

PHL 432. AMERICAN PHILOSOPHY 4 sh

Focusing on the rich heritage of 19th and 20th century American thought from such figures as Emerson, Thoreau, Pierce, James, Dewey and others, this course emphasizes the originality of American philosophy and its continuing relevance.

PHL 433. MARX, DARWIN, FREUD 4 sh

These revolutionary makers of the modern mind—Marx, Darwin and Freud—have had enduring influence on subsequent thought in such diverse fields as philosophy and politics, biology and religion, sociology and psychology. This course examines their work in light of more recent attempts to incorporate, reform and extend their insights.

PHL 461. INTEGRATIVE TUTORIAL 4 sh

This intensive set of discussions, readings and writing activities is designed to ensure that graduating majors have achieved competency in critical, ethical and interpretive skills. This course will focus on a single contemporary topic chosen by the instructor. It will culminate with: (1) a final exam that will be graded by a committee of professors from the department, and (2) an interview with a philosopher from outside of this institution. For majors only. Offered fall of senior year.

PHL 471. SEMINAR: SPECIAL TOPICS 4 sh

PHL 481. INTERNSHIP IN PHILOSOPHY 1-4 sh

The internship provides work experience in a setting that is rich with practical philosophical problems. The goal is to enrich the student's appreciation of the link between philosophy and life. Offered on an individual basis when suitable opportunities can be arranged. Permission of the department is required.

PHL 491. INDEPENDENT STUDY 1-4 sh

Physical Education

Chair, Department of Health Promotion, Leisure and Human Performance: Professor Calhoun

Professors: Beedle, J.P. Brown, A. White

Associate Professor: Parham

Assistant Professors: Binkley, Davis, Leonard, Morningstar, Parham, Parson, Paul, Seagraves, Simons, Smith

Instructors: Apke, Haskins, Kennedy, Pharr, Reilly, Spier, Starr, Trevathan, Webster, Welch

The Department of Health Promotion, Leisure and Human Performance offers majors in Health Education, Leisure/Sport Management, Physical Education and Sports Medicine (Exercise Sports Science and Athletic Training).

The Physical Education curriculum is designed to prepare students to become teachers. The program is broad-based and includes evaluating and improving the student's psychomotor and cognitive skills through a wide range of activity courses, specialized theory courses, and continued opportunity for applying these skills and concepts in educational and laboratory settings.

Through this study students gain knowledge of the concepts and skills related to teaching sport and physical activity. Graduates in this major are successful teachers and coaches and many pursue graduate degrees.

A major in Physical Education requires the following courses:

DAN 115	Folk, Square and Social Dance	1 sh
	Select any activities course	1 sh
PED 125	Skills and Activities for Teaching	3 sh
PED 211	History/Foundations of Sport/Physical Education	4 sh
PED 305	Legal Aspects of HPEL	2 sh
PED 310	Motor Learning Theory for Teaching and Coaching	4 sh
PED 321	Kinesiology	4 sh
PED 341	Theory of Coaching	2 sh
PED 360	Elementary Physical Education (K-6)	4 sh
PED 410	Organization and Administration	4 sh
PED 411	Measurement and Evaluation	4 sh
PED 423	Physical Education for the Exceptional Child	2 sh
HED 220	First Aid	1 sh
SPM 422	Physiology of Exercise	4 sh
BIO 161	Human Anatomy	4 sh
BIO 162	Human Physiology	4 sh
TOTAL		48 sh

Students desiring teacher certification in **physical education** must also take the professional studies requirements listed for Special Subjects areas (K-12) under Education. (EDU 450 not required.)

The Health Education endorsement (for students with teacher certification) requires the following courses:

EDU 427	Materials and Methods of Teaching Health and Safety	4 sh
Sixteen hours	chosen from the following:	16 sh
HED 321	Health Services and Consumerism	
HED 324	Nutrition	
HED 325	Substance Abuse and Human Behavior	
HED 326	Human Sexuality	
HED 421	Health of the Body Systems	
TOTAL		20 sh

A minor in Physical Education requires the following courses:

Four courses	chosen from one-hour skills classes	4 sh or
PED 125	Skills and Activities for Teaching and one skills course	
PED 310	Motor Learning Theory for Teaching and Coaching	4 sh
PED 360	Elementary Physical Education (K-6)	4 sh
EDU 423	Materials and Methods of Teaching Physical Education	4 sh

One course from

2 sh

- PED 342 Methods of Coaching Football (2 sh)
- PED 343 Methods of Coaching Basketball (2 sh)
- PED 344 Methods of Coaching Track and Field or Baseball (2 sh)
- PED 345 Methods of Coaching Soccer or Volleyball (2 sh)

TOTAL

18 sh

PED 100. TENNIS

1 sh

Students learn rules, skill and strategy of tennis. Offered fall and spring.

PED 101. RACQUETBALL

1 sh

Students learn rules, skill and strategy of racquetball. Offered fall and spring.

PED 102. GYMNASTICS

1 sh

Students learn a variety of floor and apparatus gymnastics skills. Offered alternating years.

PED 103. RECREATIONAL SPORTS

1 sh

Students learn rules, skill and strategy of a variety of recreational sports, including archery, badminton and paddle tennis. Offered alternating years.

PED 105. GOLF (Beginning & Intermediate)

1 sh

Special fee: \$30. Students learn rules, skill and strategy of golf. Offered fall and spring. Must have personal transportation.

PED 106. BEGINNING SWIMMING AND EMERGENCY WATER SAFETY

1 sh

An introduction to basic swimming techniques and general water safety instruction, including how to respond effectively in a water emergency. The goal is to create an awareness of causes and prevention of water accidents. (Beginning Swimming and Emergency Water Safety certificate given.) Special fee: \$10

PED 107. LIFEGUARD TRAINING

3 sh

Students gain knowledge and skills for aquatic safety and non-surf life guarding, first aid, professional rescuer CPR and head lifeguarding. Students will receive Red Cross certification upon successful completion. Prerequisites: strong swimming skills. Special fee: \$16

PED 108. BASKETBALL

1 sh

Students learn rules, skill and strategy of basketball. Offered alternating years.

PED 109. CONDITIONING/WEIGHT TRAINING

1 sh

Progressive development of physiological fitness designed to meet the needs of the individual student, including weight and cardiorespiratory training. Offered fall and spring.

PED 110. SOFTBALL

1 sh

Students learn rules, skill and strategy of softball. Offered alternating years.

PED 111. AEROBIC CONDITIONING

1 sh

Students have the opportunity to improve their physical fitness level through aerobic activities using correct techniques.

PED 112. SOCCER

1 sh

Students learn rules, skill and strategy of soccer. Offered alternating years.

PED 113. VOLLEYBALL

1 sh

Students learn rules, skill and strategy of volleyball. Offered alternating years.

PED 116. OUTWARD BOUND EXPERIENCE

1-3 sh

This is a course in wilderness survival, including physical survival skills, fitness, cognitive and emotional skills and study of the natural world. Offered as personnel is available or Independent Study.

PED 117. EQUESTRIAN TRAINING I, BEGINNER

1 sh

Grooming, anatomy of horse, veterinarian care, mounting, dismounting, emergency dismounting, turning left and right - when mounted on horse, proper sitting, positioning saddle, learning to use correct aids (legs,

hands, stats, voice command), Farrier care. Personal transportation, work boots, jeans and riding helmet required. Special fee: \$300

PED 118. EQUESTRIAN TRAINING II, NOVICE RIDER 1 sh

Two-point position, Cavaletti work/pre-training level 1, crossrails, consistency, equitation. Prerequisite: PED 117 or previous riding experience and permission of instructor. Personal transportation, work boots, jeans and riding helmet required. Special fee: \$300

PED 125. SKILLS AND ACTIVITIES FOR TEACHING 3 sh

Students learn skills and techniques for selected activities taught in public school physical education. Learning experiences include analyzation, organization and evaluation methods. Activities will be chosen from: archery, badminton, bowling, golf, racquetball, weight training, volleyball, soccer, tennis and other team sports. As public school needs change, the curriculum for this course may be altered.

PED 208. WATER SAFETY INSTRUCTOR 3 sh

Detailed study of methods and materials used to teach Red Cross swimming and aquatics safety courses. Successful completion qualifies WSIs to teach infant and pre-school aquatics, progressive swimming courses, basic water safety and emergency water safety. Prerequisites: 17 years old, strong swimming skills, current certification for Emergency Water Safety or Lifeguard Training. Special fee: \$13

PED 209. SKIN AND BASIC SCUBA DIVING 2 sh

Students learn the art of skin and scuba diving, including the physics, physiology and mechanics of diving; safe diving practices; marine life and environment; dive planning and various aspects of sport diving. Completion of all requirements leads to P.A.D.I. open water certification. Requirements: mask, fins and snorkel. Prerequisites: 15 years old, pass a swimming test, medical exam and payment of special fees before scuba work begins. Special fee: \$200

PED 211. HISTORY/FOUNDATIONS OF SPORT/PHYSICAL EDUCATION 4 sh

An introduction to the philosophical, psychological and sociological foundations and the history of physical education, including current issues and trends and the economic impact of sport and fitness on society. Offered spring.

PED 217. EQUESTRIAN TRAINING III, INTERMEDIATE RIDER 1 sh

Dressage (training level 2 and 3), equestrian jumping, hunter style, medal maclay/senior advancement. Prerequisite: PED 118 or four years riding experience and permission of instructor. Personal transportation, work boots, jeans and riding helmet required. Special fee: \$300

PED 218. EQUESTRIAN TRAINING IV, ADVANCED RIDER 1 sh

Training levels 4 and 5, cross country, preliminary jumpers, working hunter advancement. Prerequisite: PED 217. Personal transportation, work boots, jeans and riding helmet required. Special fee: \$300

PED 265. OFFICIATING 2 sh

Provides a thorough study of rules and mechanics of sport officiating. Practical experience in officiating may be provided at the community, little league, middle school and junior varsity levels. Offered fall.

PED 305. LEGAL ASPECTS IN HPEL 2 sh

A study of the legal environment of leisure, sport, health and school organizations, emphasizing applications of tort, criminal, employment, contract, property and constitutional law. Students learn the principles of risk management and relevant applications and discuss current legislation affecting the field. Prerequisite: LSM 212 or SPM 101 or SPM 112 or EDU 211. Offered fall and spring.

PED 309. ADVANCED OPEN WATER SCUBA 2 sh

The advanced Open Water Scuba course at Elon College is offered through certified and insured adjunct P.A.D.I. instructors. This course is designed to expand on the knowl-

edge base and skills acquired in PED 209, Skin and Basic Scuba Diving. Students will complete a detailed study of all the topics covered in Basic Scuba. In addition, they will develop a knowledge base and skills for deep diving, night diving, underwater navigation, search and recovery and rescue diving. The student will receive P.A.D.I. Certifications in Advanced Open Water and Rescue Diving upon successful completion of the course. Equipment Requirements: Mask, fins and snorkel. Prerequisites: P.A.D.I. Open Water Certification or equivalent. Special fee: \$275

**PED 310. MOTOR LEARNING
THEORY FOR TEACHING
AND COACHING** 4 sh

This course provides physical education teachers and coaches knowledge and understanding of how learning and optimum performance of motor skills occur. Study of the characteristics and interactions between student/athlete, teacher/coach and the learning environment coupled with synthesis of recent research, experimentation and analysis enables participants to teach motor skills efficiently. Offered spring.

PED 321. KINESIOLOGY 4 sh

Students study the musculo-skeletal system and biomechanics for physical fitness activities, exercise/sports injuries and sports skills. Prerequisite: BIO 161. Offered fall and spring.

PED 341. THEORY OF COACHING 2 sh

Provides a thorough study of the role of coaches in the school and community, including coaching philosophy, ethics, relationships, motivation and responsibilities. Offered fall.

**PED 342. METHODS OF
COACHING FOOTBALL** 2 sh

A study of appropriate terms, drills, methods and strategy for coaching football. Offered fall.

**PED 343. METHODS OF COACHING
BASKETBALL** 2 sh

A study of appropriate terms, drills, methods

and strategy for coaching basketball. Offered spring.

**PED 344. METHODS OF COACHING TRACK
AND FIELD OR BASEBALL** 2 sh

A study of appropriate terms, drills, methods and strategy for coaching track and field or baseball.

**PED 345. METHODS OF COACHING
SOCCER OR VOLLEYBALL** 2 sh

A study of appropriate terms, drills, methods and strategy for coaching soccer or volleyball.

**PED 360. ELEMENTARY PHYSICAL
EDUCATION (K-6)** 4 sh

This class is designed to prepare students to teach physical education in grades K-6. This preparation includes knowledge of movement education, motor skills, skill analysis and pedagogy. Clinical hours in public schools are required. Offered fall.

**PED 410. ORGANIZATION AND
ADMINISTRATION** 4 sh

A study of the organizational and administrative techniques needed to design and implement programs in leisure, sport and physical education settings, including organizational structure and theories, leadership styles, decision-making, finance management, purchasing, public relations and tournament organization. Offered spring.

**PED 411. MEASUREMENT AND
EVALUATION** 4 sh

Students learn to organize and interpret data from tests with and without the use of software packages. Also includes the study and administration of youth and adult physical fitness tests, sports skill tests and an overview of psychosocial testing. Offered spring.

**PED 423. PHYSICAL EDUCATION
FOR THE EXCEPTIONAL CHILD** 2 sh

This course provides physical education teachers knowledge and understanding of current legislation, techniques and methods of teaching physical activities to individuals with handicapping conditions through both lecture and practical experience. Prerequisite: PED 360. Offered spring.

PED 491. INDEPENDENT STUDY

1-4 sh

Study in sports medicine at Elon College combines the scientific and the practical aspects of the prevention, treatment and

rehabilitation of injuries and includes the study of the effects of physical activity on the human body.

PED 499. RESEARCH IN**PHYSICAL EDUCATION**

1-4 sh

Physics

Chair, Department of Physics: Assistant Professor P. Das

Professor: F. Harris

Associate Professor: Agnew

Assistant Professor: Concannon

Physics is the great intellectual web that underlies our understanding of the universe in which we live. In the Physics Department, the faculty seeks to elucidate that web of theory and experiment, studying not only its broad outlines and appealing symmetries, but also its delicate subtleties and elegant construction.

With faculty in both theoretical and experimental physics, Elon's program offers a wide variety of courses for science and nonscience majors, including service courses for biology, chemistry, and mathematics as well as calculus-based Introductory Physics for the pre-engineer.

Our major and minor curricula begin with a three-semester introduction to the field and encompass focused courses that explore the major aspects of physics. Strong grounding in the "Classical" study of the mechanical and electrodynamic world is established before emphasis moves on to dynamical systems and field theory.

All of our courses integrate laboratory and use of the computer beginning with introductory courses, in which students work collaboratively and incorporate their experimental and problem-solving work. At higher levels, experiments ranging from gamma ray spectroscopy to computational simulation are integrated into each course. Advanced students also study the theories of quantum mechanics and relativity, and those pursuing the B.S. degree conduct an individual research project.

Physics is a rich and complete program which prepares graduates for a variety of scientific careers, engineering, teaching or for any field in which critical thinking and problem-solving are crucial.

The Department of Physics offers programs leading to the Bachelor of Arts degree with a major in Physics, the Bachelor of Science degree with a major in Physics, and a minor concentration in Physics for students majoring in another discipline.

A Bachelor of Arts Degree in Physics requires the following courses:

PHY 113	General Physics I With Calculus	4 sh
PHY 114	General Physics II With Calculus	4 sh
PHY 213	Introduction to Modern Physics	4 sh
PHY 301	Classical Mechanics and Dynamical Systems	4 sh
PHY 311	Classical Electrodynamics	4 sh
PHY 312	Electricity, Magnetism, and Field Theory	4 sh
PHY 411	Quantum Mechanics	4 sh
MTH 121	Calculus and Analytic Geometry I	4 sh
MTH 221	Calculus and Analytic Geometry II	4 sh

MTH 321	Calculus and Analytic Geometry III	4 sh
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TOTAL		40 sh
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A Bachelor of Science Degree in Physics requires the following courses:

PHY 113	General Physics I With Calculus	4 sh
PHY 114	General Physics II With Calculus	4 sh
PHY 213	Introduction to Modern Physics	4 sh
PHY 301	Classical Mechanics and Dynamical Systems	4 sh
PHY 311	Classical Electrodynamics	4 sh
PHY 312	Electricity, Magnetism, and Field Theory	4 sh
PHY 411	Quantum Mechanics	4 sh
MTH 121	Calculus and Analytic Geometry I	4 sh
MTH 221	Calculus and Analytic Geometry II	4 sh
MTH 321	Calculus and Analytic Geometry III	4 sh
PHY 491	Research	1 sh

Choose one course from the following		4 sh
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PHY 302	Statistical Mechanics and Thermodynamics	
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PHY 412	Relativity and Cosmology	
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PHY 471	Special Topics in Physics	
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Competence in computer programming must be demonstrated.

TOTAL		45 sh
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A Bachelor of Science Degree in Engineering Physics: See requirements listed under Engineering.

A minor in Physics requires the following courses:

PHY 113	General Physics I With Calculus	4 sh
PHY 114	General Physics II With Calculus	4 sh
PHY 213	Introduction to Modern Physics	4 sh
Select two Physics courses at the 300-400 level		8 sh

TOTAL		20 sh
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PHY 101. CONCEPTUAL PHYSICS 4 sh

This course provides an introduction to the major ideas in both Classical and Modern Physics. Students will be introduced to experiments of the ancient Greeks, Renaissance Scholars and Classical Natural Philosophers. The formulation of gravitational and mechanical theories, thermodynamics, the particle nature of matter, and aspects of elementary electromagnetism will be included. Twentieth century perspectives including the theory of relativity, quantum mechanics and chaos will be studied. Laboratory included.

PHY 102. INTRODUCTION TO ASTRONOMY 4 sh

Astronomy examines the nature of light, astronomical instruments and our attempts to understand the origin of our solar system and its constituents: the Sun, the planets, asteroids, comets, and meteors. Laboratory included. Offered fall and spring.

PHY 103. INTRODUCTION TO GEOLOGY 4 sh

This geology course includes a study of the nature and origin of rocks and minerals, evolution of the landscape, plate tectonics, coastal dynamics and geologic time. Laboratory included. Offered fall and spring.

PHY 110. ENERGY AND THE ENVIRONMENT 4 sh

This course provides an introduction to energy concepts and the basic modes of energy production and use, focusing on environmental problems that are a consequence of such activities. Laboratory included. Offered fall and spring.

PHY 111, 112. GENERAL PHYSICS I AND II (each semester) 4 sh

Designed for students majoring in the biological and/or health-related sciences, this survey of classical and modern physics includes mechanics, waves, heat, electricity, magnetism, optics, and atomic and nuclear physics. Labs included. Prerequisite: MTH 111 or placement exemption. PHY 111 offered fall; PHY 112 offered spring.

PHY 113, 114. GENERAL PHYSICS I AND II WITH CALCULUS (each semester) 4 sh

This survey of topics in classical physics is designed for students majoring in math, physics or chemistry, or planning to transfer into an engineering program. Topics include kinematics, dynamics, thermodynamics, electrostatics, electrodynamics and waves. Labs included. Corequisite: MTH 121. PHY 113 offered fall; PHY 114 offered spring.

PHY 211. CIRCUIT ANALYSIS 3 sh

This course is an introduction to the theory, analysis and design of electric circuits. Studies include circuit parameters and elements: voltage, current, power, energy, resistance, capacitance, inductance. Also included is the application of Kirchhoff's laws to simple and complex circuits and the study of the steady-state and transient response of circuits to pulse, step, and periodic inputs. Prerequisites: MTH 221 and PHY 114. Corequisite: EGR/PHY 212.

PHY 212. CIRCUIT ANALYSIS LAB 1 sh

This course involves laboratory application of concepts and principles discussed in EGR/PHY211. Corequisite: EGR/PHY 211.

PHY 213. INTRODUCTION TO MODERN PHYSICS 4 sh

A continuation of 113 and 114, this course

provides further study of wave dynamics, special relativity, early quantum mechanics, wave mechanics and an introduction to solid state and nuclear physics. Laboratory included. Prerequisite: MTH 221. Offered fall.

PHY 301. CLASSICAL MECHANICS AND DYNAMICAL SYSTEMS 4 sh

In this introduction to Lagrangian and Hamiltonian treatments of classical mechanics students explore variational principles, conservation laws, contemporary approaches to dynamical systems and topics in chaos theory. Laboratory included. Prerequisite: PHY 114. Offered spring of alternate years.

PHY 302. STATISTICAL MECHANICS AND THERMODYNAMICS 4 sh

Study covers statistical methods, the concept of the ensemble and statistical averages and explore thermodynamics using a theoretical progression from statistical analysis to thermodynamic variables. In depth studies include conservation laws and thermodynamic variables such as entropy and free energy. Laboratory included. Prerequisite: PHY 301.

PHY 305. STELLAR ASTRONOMY 4 sh

Stellar astronomy involves study of the universe beyond the solar system, including stars, clusters, stellar evolution, variable stars, Milky Way and other galaxies, quasars and cosmological models. Satisfies non laboratory General Studies requirement. No credit for physics major or minor. Prerequisite: MTH 111 or higher. Offered winter.

PHY 310. ENGINEERING THERMODYNAMICS 4 sh

Introduction to the concept of energy and the laws governing the transfers and transformations of energy. Emphasis on thermodynamic properties and First and Second Law analysis of systems and control volumes. Integration of these concepts into the analysis of basic power cycles is introduced. Prerequisites: MTH 321 and PHY 114.

PHY 311. CLASSICAL ELECTRODYNAMICS 4 sh

Classical electrodynamics involves the study of electrostatics (including image methods

and electric fields in the presence of dielectric media), vector analysis, continuity conditions for field quantities at interfaces and magnetism and magnetostatics. Laboratory included. Prerequisite: PHY 213. Offered fall of alternate years.

**PHY 312. ELECTRICITY, MAGNETISM
AND FIELD THEORY**

4 sh

This course includes Maxwell's equations and continuation of electrodynamics and explores the natural connection of field theory and electrodynamics and basic mathematical tools, including tensor analysis. By experiments and numerical simulation, students investigate electromagnetic radiation and fields. Laboratory included. Prerequisite: PHY 311. Offered spring of alternate years.

PHY 411. QUANTUM MECHANICS

4 sh

Study of quantum mechanics includes basic mathematical underpinnings of quantum formalisms and treats several basic problems, including Hydrogen-like atoms and lasers, in depth. Laboratory included. Prerequisite: PHY 301. Offered fall of alternate years.

PHY 412. RELATIVITY AND COSMOLOGY

4 sh

This course begins by examining funda-

mentally electrodynamical problems out of which special relativity was born. Students read Einstein's original paper and study the classical paradoxes in depth. Discussion of cosmological problems includes black holes, galactic red shift and early universe theory. Some aspects of the general theory of relativity are also introduced. Prerequisites: PHY 311 and 312.

PHY 471. SPECIAL TOPICS IN PHYSICS

4 sh

These contemporary topics include, but are not limited to, chaos theory and nonlinear dynamics, solid state and condensed matter physics, optics, advanced quantum mechanics, and particle physics. Prerequisite: permission of the instructor.

PHY 499. RESEARCH

1 sh

This semester-long supervised research project involves experimental, numerical or theoretical investigation of a single problem, culminating in a detailed report describing the methods, results and analysis performed, including a "publication style" abstract of the research. Senior majors only. Offered fall, winter and spring.

213

Political Science

Chair, Department of Political Science and Public Administration: Professor C. Brumbaugh

Professors: Taylor, Zarzar

Associate Professors: Anderson, Helvey

Assistant Professors: Morgan, Spray

Adjunct Instructors: Colbert, Craig, Vellani

Political Science seeks to understand the ideas, individuals and institutions engaged in making public policies that influence the lives of people in communities ranging from local to global. Courses investigate current issues and opinions, the process by which voters or leaders make decisions, the behavior of organized groups and governmental agencies, the relationships between nations, and classic questions of how societies balance freedom, social justice, order and efficiency.

Students in this discipline are encouraged to: develop critical reading, writing and research skills (often using computer programs); participate in role-playing simulations of local governments, legislatures, the United Nations and international relations; work as interns at the local and state level in government agencies, election campaigns and law firms; and spend a semester in Washington, D.C., working in executive and judicial agencies, the U.S. Congress, interest groups and international organizations.

The department offers majors in Political Science and Public Administration as well as minors in these fields. Students can concentrate their course work in one or more sub-fields: American Government, International Relations, Comparative Politics, Public Administration and Political Theory. These programs help prepare students to enter graduate and law school, and pursue a wide range of careers in legislative, executive and judicial agencies; business; teaching; journalism; interest group advocacy; campaign management and international public service.

A major in Political Science requires the following courses:

POL 111	American Government	4 sh
POL 461	Senior Seminar in Political Science	4 sh
SSC 285	Research Methods	4 sh
One course chosen from the following:		4 sh
POL 241	International Relations	
POL 261	Comparative Politics	
One course selected from the following:		4 sh
POL 300	Introduction to Political Thought	
POL 301	Modern Political Thought	
POL 303	Democratic Theory	
One course selected from the following:		4 sh
ECO 201	Principles of Economics	
GEO 131	The World's Regions	
HST 121	United States History through 1865	
HST 122	United States History since 1865	
HST 221	The World in the Twentieth Century	
Twenty additional hours in Political Science		20 sh
TOTAL		44 sh

A minor in Political Science requires the following:

POL 111	American Government	4 sh
Sixteen semester hours in Political Science		16 sh
TOTAL		20 sh

POL 111. AMERICAN GOVERNMENT 4 sh
American Government serves as an introduction to the national political system, including the legislative, executive and judicial branches, the Constitution, political parties, interest groups, public opinion and public policy issues. Offered fall and spring.

POL 112. NORTH CAROLINA STUDENT LEGISLATURE 1 sh
This is an experiential course which promotes active participation in the NCSL, debate of public issues and organizational involvement at the college and state-wide level. Offered fall and spring.

POL 114. MODEL UNITED NATIONS 1 sh
Through experiential learning activities, students gain insight into the workings of the United Nations, diplomacy and international politics. Offered fall and spring.

POL 222. STATE AND LOCAL GOVERNMENT AND POLITICS 4 sh
This study focuses on the structure and functioning of the state and local government and their roles within the American federal system. Offered fall.

POL 224. ENVIRONMENTAL POLICY AND LAW 4 sh
This course focuses on the policy processes

and institutional settings for environmental policy formation and governmental action. It deals with the role of the courts, congress and federal agencies in the development, implementation and evaluation of environmental policy.

POL 231. PUBLIC ADMINISTRATION 4 sh

(Same course as PUB 231. See PUB 231 for description.) Offered spring.

POL 241. INTERNATIONAL RELATIONS 4 sh

International relations gives students a basic appreciation for our world and examines political issues, such as the role of power and international law in the international system and economic, social and cultural features of the world. Offered fall.

POL 261. COMPARATIVE POLITICS 4 sh

This introduction to the central concepts of comparative politics and to the major types of contemporary political systems may include Britain, Germany, Japan, Africa, China, Mexico and the post-Soviet independent states of Eurasia. Offered spring.

POL 300. INTRODUCTION TO POLITICAL THOUGHT 4 sh

In a critical introduction to the great political thinkers, discussion spans from Plato to Rousseau.

POL 301. MODERN POLITICAL THOUGHT 4 sh

Modern political thought provides a critical introduction to and analysis of great political thinkers from Marx to Marcuse.

POL 303. DEMOCRATIC THEORY 4 sh

Democratic theory examines conceptions, models and themes of democracy around the world using a comparative approach, with special emphasis on models of democracy as they developed in the U.S.

POL 323. CONSTITUTIONAL LAW I 2 sh

Using a case study approach, this course focuses on American Constitutional structures: separation of powers, judicial review, and federalism. Prerequisite: POL 111. Offered fall.

POL 324. CONSTITUTIONAL LAW II 2 sh

Continuing the case study examination begun in POL 323, the focus of this course is on individual rights guaranteed by American Constitutional structures: civil rights and civil liberties. Prerequisite: POL 111. Offered spring.

POL 325. THE PRESIDENCY 4 sh

A study of the contemporary presidency emphasizes the organization of the office, its relationship to other structures in American politics and its role in the policy-making process.

POL 326. THE CONGRESS 4 sh

Topics of study cover the policy-making process in Congress, focusing on party leadership, the committee system and the relationship between the Congress and the presidency, interest groups and the executive branch. Discussion also includes congressional reform proposals.

POL 328. PUBLIC POLICY 4 sh

(Same course as PUB 328. See PUB 328 for description.) Offered fall.

POL 329. POLITICAL BEHAVIOR 4 sh

This course focuses on political life from a micro perspective by examining how political attitudes and behavior are learned and affect our political choices, especially in regard to political socialization and electoral behavior.

POL 342. U.S. FOREIGN POLICY 4 sh

Study covers the foreign relations, foreign policy and international politics of the United States since 1939.

POL 343. INTERNATIONAL LAW AND ORGANIZATION 4 sh

This course focuses on the role of international law and organizations in determining patterns of international behavior, with special attention to the United Nations.

POL 344. INTERNATIONAL ENVIRONMENTAL POLICY 4 sh

This course addresses environmental issues that cross national boundaries, such as global warming, natural resource scarcity, waste disposal and issues of international trade and

the environment. It is useful for students of international studies, environmental studies as well as political science.

POL 359. POLITICAL COMMUNICATION 4 sh

This examination of political communications processes uses a comparative perspective and emphasizes the role of media in the U.S., Europe, Eurasia and developing countries.

216 POL 363. POLITICS OF ASIA 4 sh

This exploration of the politics of Asia after World War II analyzes political and economic processes in the cases of Japan, China and newly industrializing countries, among others.

POL 364. POLITICS OF EUROPE 4 sh

This course explores the politics of East and West Europe since World War I.

POL 365. POLITICS OF EURASIA 4 sh

Politics of Eurasia analyzes the rise and fall of the Soviet Union as a political entity and studies the newly independent countries of the former Soviet Union in some depth.

POL 366. MIDDLE EAST POLITICS 4 sh

A study of Middle Eastern political dynamics and institutions, contemporary issues and problems of selected Middle Eastern and North African countries.

POL 367. POLITICS OF AFRICA 4 sh

Focuses on nation-building and major factors influencing contemporary politics in selected African states. Emphasizes the legacy of colonialism/independence struggles; traditional loyalties; the political/social/economic origins of conflict/coalitions/coups; political participation; institutionalization/control; the destabilizing influences of class/ethnic/elitist/racial differences; and African states in the world order.

POL 368. LATIN AMERICAN POLITICS 4 sh

Central America and Mexico receive emphasis in this study of the political dynamics, governmental structures and contemporary issues of selected countries of Latin America.

**POL 371. TOPICS IN
POLITICAL SCIENCE** 4 sh

This advanced course explores significant contemporary issues or developments within the discipline. Prerequisite: POL 111 or permission of the instructor.

**POL 375. POLITICAL SCIENCE
IN LONDON** 4 sh

**POL 376. WASHINGTON CENTER
SEMINAR** 1-4 sh

Students learn first-hand from speakers, on-site visits and other experiential opportunities in Washington, D.C., and other locations through the Washington Center. Course requirements include readings, writing assignments and collaborative work dealing with a wide variety of topics. Prerequisite: Permission of department. Offered winter and summer.

POL 420. CAMPAIGN MANAGEMENT 4 sh

This course provides a practical study of how to run an election campaign, with attention to setting up, staffing and financing a campaign office, organizing events, media relations, campaign technology, polling, advertising and getting out the vote. Students spend significant time as an intern for a candidate of their choice and reflect on their experience. Prerequisite: POL 111 and an additional course in American politics, or permission of instructor. Offered fall of even-numbered years.

**POL 431. POLICY ANALYSIS AND
PROGRAM EVALUATION** 4 sh

(Same course as PUB 431. See PUB 431 for description.) Offered spring.

POL 433. TOPICS IN URBAN POLITICS 4 sh

(Same course as PUB 433. See PUB 433 for description.)

**POL 461. SENIOR SEMINAR IN
POLITICAL SCIENCE** 4 sh

The capstone experience for senior political science majors involves close review of the discipline's conceptual approaches to the study of political issues, discussion and development of research strategies. Students must also present a work of original scholar-

ship. Prerequisite: senior majors only.

Offered fall and spring.

**POL 481. INTERNSHIP IN
POLITICAL SCIENCE** 1-16 sh

Work experience in a partisan, nonprofit business, governmental or legal setting requires students to establish experiential goals and to reflect on the learning experience. Offered on an individual basis when suitable opportunities can be arranged. Prerequisite: POL 111, an additional course in Political Science and permission of the instructor.

**POL 485. WASHINGTON INTERNSHIP IN
POLITICAL SCIENCE** 1-12 sh

Work experience in a partisan, nonprofit business, governmental or legal setting in the Washington, D.C. area, requires students to establish experiential goals and reflect on the learning experience. Offered on an individual basis when suitable opportunities can be arranged. Prerequisite: POL 111, an additional course in Political Science and per-

mission of the instructor.

POL 491. INDEPENDENT STUDY 1-4 sh

POL 499. RESEARCH 1-4 sh

This course is an opportunity for students to undertake an empirical or theoretical study of a topic in political science in collaboration with a departmental faculty member. Research projects may include a review of research literature, developing a research design, data collection and analysis, and a presentation or report when the study is completed. Prerequisite: permission of instructor. A research proposal form completed by the student in conjunction with the faculty member is required for registration. Students may register for 1-4 hours of credit per semester and may register for more than one semester of research for a total of 8 hours of research credit toward the major. Students must have a 2.5 GPA or higher and have completed 28 semester hours of college work.

217

Professional Writing Studies

Coordinator: Assistant Professor Peeples, Director of Writing Across the Curriculum*

Professional Writing is an interdisciplinary minor designed for students across the disciplines who would like to add to their majors focused study and practice in applied writing. This minor is intended not only to strengthen the writing instruction offered to students across the disciplines, but also to responsibly prepare students for the steadily increasing numbers of specialized professional, technical and medical writing positions in government agencies, industry and non-profit organizations.

The minor is broad and flexible enough that students can formulate course sequences appealing to their specific interests. It is also structured tightly enough to effectively guide students' curricular decisions.

A required theory course prepares students to see writing broadly as a complex, highly situated form of social action and production. Two required practice courses engage students in hands-on projects where they learn to apply advanced practical writing skills within specific contexts. A variety of internship experiences are possible in which students have a chance to practice what they have learned in actual disciplinary or professional contexts. Students complete their minor by taking a capstone course where they are involved in another internship experience and where they also prepare individual professional writing portfolios to illustrate their specialized writing knowledge.

The minor requires a minimum of twenty semester hours. Courses must be chosen from at least two disciplines.

A minor in Professional Writing Studies requires the following:

Four semester hours chosen from one of the following theory courses: 4 sh

ENG 204 Survey of Professional Writing and Rhetoric

ENG 304 Topics in Professional Writing and Rhetoric

Eight semester hours chosen from two of the following practice/applied courses: 8 sh

ART 263 Digital Art I

ART 363 Digital Art II

BUS 302 Business Communications

ENG 211 Writing for the Professions

ENG 311 Document Research, Management and Production

ENG 318 Technical and Scientific Writing

ENG 319 Writing Center Workshop

HUS 412 Professional Communication

JCM 221 Corporate Publishing

JCM 328 Magazine Editing and Production

JCM 333 Principles of Public Relations

JCM 387 Web Publishing and Design

Four semester hours from one disciplinary internship course. 4 sh

(The course must be carefully designed as a professional writing internship and approved by the Interdisciplinary Writing Committee. Most ENG 381 or 481 courses can be designed for this purpose and approved.)

ENG 495 Professional Writing capstone course 4 sh

TOTAL 20 sh

*Note: The minor is jointly administered by the English Department and the Interdisciplinary Writing Committee, chaired by the Director of Writing Across the Curriculum, who also serves as the minor's Coordinator. All questions should be referred to the Coordinator.

Psychology

Chair, Department of Psychology: Associate Professor Green

Professor: Granowsky

Associate Professors: Fromson, Higgs, McClearn, Pickens

Assistant Professors: DeNeui, King, Levesque, Vandermaas-Peeler

The psychology major at Elon College presents the principles, methods and research findings of the field of psychology. Students in the major learn and practice sound research methods and are given many opportunities for exploring the breadth of the content areas in psychology. In each psychology course, students are involved in writing and speaking in the discipline. Interested students may engage in internship experiences in industrial/organizational settings, group homes, social service agencies, psychiatric wards and special education placements.

Students with a Bachelor's degree in psychology have many career options. Some students enter fields such as law enforcement, court counseling, daycare, group home counseling, YMCA program work, personnel and entry level positions in mental health. Others opt to go on to graduate school in a variety of programs, including: clinical, counseling or school psychology; social work; special education; law and many others. Psychology majors receive both a liberal arts education and practice in the skills of research, professional writing and speaking, and are therefore prepared for a variety of careers.

A major in Psychology requires the following courses:

PSY 111	General Psychology	4 sh
PSY 201	Research Methods I	4 sh
PSY 202	Research Methods II	4 sh
PSY 461	Senior Seminar	4 sh
Two courses chosen from the following:		8 sh
PSY 212	Learning and Memory	
PSY 221	Biological Bases of Behavior	
PSY 233	Life-Span Human Development	
Two courses chosen from the following:		8 sh
PSY 312	Cognitive Psychology	
PSY 323	Social Psychology	
PSY 343	Psychology of Personality and Individual Differences	
Twelve additional semester hours in Psychology		12 sh
TOTAL		44 sh

A minor in Psychology requires the following courses:

PSY 111	General Psychology	4 sh
Sixteen semester hours of Psychology electives		16 sh
TOTAL		20 sh

PSY 111. GENERAL PSYCHOLOGY 4 sh

General psychology surveys central topics in the field, including research methodology, learning and memory processes, social psychology, psychological disorders and personality. Offered fall and spring.

PSY 201. RESEARCH METHODS I 4 sh

Students begin learning how to conduct and report psychological research. Study focuses on how to frame psychological questions, how to answer them using research designs and complementary data analysis techniques and the basics of writing research reports. Prerequisite: PSY 111. Offered fall and spring.

PSY 202. RESEARCH METHODS II 4 sh

Exploration continues with more complex research designs and data analysis tech-

niques, giving in-depth attention to the written and oral presentation of research findings. Prerequisite: PSY 111, PSY 201. Offered fall and spring.

PSY 212. LEARNING & MEMORY 4 sh

Learning and memory addresses models of knowledge acquisition (including classical and operant conditioning and cognitive processes), encoding and storage of information, memory retrieval and forgetting. Prerequisite: PSY 111. Offered fall or spring.

PSY 215. THE PSYCHOLOGY OF PERSONAL RELATIONSHIPS 4 sh

The purpose of this course is to investigate personal relationships from various viewpoints of psychology (e.g., social, cognitive, biopsychological). Interactions with family members and friends will be discussed, but

the emphasis will be placed on the initiation, maintenance and termination of romantic relationships.

PSY 221. BIOLOGICAL BASES OF BEHAVIOR

4 sh

This course explores the biological foundations of such psychological processes as learning and memory, movement, sleep and emotions, as well as such abnormal conditions as schizophrenia and depression.

Prerequisite: PSY 111. Offered fall or spring.

PSY 233. LIFE-SPAN HUMAN DEVELOPMENT

4 sh

An exploration of human development across the entire life-span includes consideration of cognitive, social and emotional development as a complex interaction between individuals and their social and cultural environments. Prerequisite: PSY 111. Offered fall or spring.

PSY 312. COGNITIVE PSYCHOLOGY

4 sh

Cognitive psychology studies how humans represent and process information about the environment in their role as thinkers, planners, language users and problem solvers. Prerequisite: PSY 111 and one additional psychology course. Offered fall or spring.

PSY 315. PSYCHOLOGY OF SEX AND GENDER

4 sh

This course focuses on the psychology of sex and gender from a feminist perspective and is organized around four themes: gender as a social construction, the importance of language and the power to name, class and cultural diversity, and knowledge as a source of social change.

PSY 321. EDUCATIONAL PSYCHOLOGY

4 sh

Students gain an overview of research and theory in educational psychology and explore their applications to teaching and learning. Prerequisite: PSY 111 or EDU 211. Offered fall and spring.

PSY 323. SOCIAL PSYCHOLOGY

4 sh

Topics in social psychology explore how people think about, influence and relate to one another, including affiliation, aggression, altruism, attitude formation and change,

attribution, compliance, conformity and persuasion. Prerequisite: PSY 111 and one additional psychology course. Offered fall or spring.

PSY 325. THE PSYCHOLOGY OF AMERICAN PROTEST MUSIC

4 sh

This course is a study of the psychological impact of music used to promote social change. By necessity, this study utilizes a variety of perspectives, in addition to psychological ones, including historical, sociopolitical and musicological. Movements covered include early labor organizations, civil rights and antiwar. Prerequisite: PSY 111.

PSY 327. THE PSYCHOLOGY OF NONVIOLENCE

4 sh

This course is a study of the variety of means for resolving conflict, with a focus on non-violent alternatives. Our emphasis is on the psychological impact of conflict and the means of its resolution. Topics include the impact of fear in conflict situations, psychological obstacles to resolution, Gandhian philosophy, and the education of children in conflict resolution. Prerequisite: PSY 111, or permission of instructor.

PSY 331. PSYCHOLOGICAL TESTING

4 sh

This course addresses issues connected with the measuring of psychological constructs such as intelligence, personality and vocational interest. Among these are the variety of techniques for assessing people's characteristics, attitudes and performance in reliable and valid ways and how this information gets used in making decisions about people's lives. In addition to basic assessment principles, first-hand experience with several psychological tests will be provided. Prerequisites: PSY 111, and one of the following: PSY 201, ECO 202, MTH 114, MTH 210, SSC 285.

PSY 332. PSYCHOLOGY OF EXCEPTIONALITY

4 sh

Students learn the measures and procedures used to evaluate exceptional children and techniques for educational intervention and remediation as they study the origins, symptoms and characteristics of exceptional children. Study covers those children who are

emotionally, physically or mentally disabled, as well as those who are gifted and talented. Prerequisite: PSY 111.

PSY 333. ABNORMAL BEHAVIOR 4 sh

In this overview of major psychological disturbances (anxiety, affective, personality, sexual and schizophrenic disorders), students examine the role of different theories, diagnostic tests and procedures in understanding illness and learn the basics of therapeutic interventions. Prerequisite: PSY 111.

PSY 343. PSYCHOLOGY OF PERSONALITY AND INDIVIDUAL DIFFERENCES 4 sh

This course covers major modern perspectives in personality psychology, including: dispositional, biological, psychodynamic, self and social-cognitive theories. Students are also introduced to issues and techniques of personality testing and assessment. Prerequisite: PSY 111 and one additional psychology course. Offered fall or spring.

PSY 355. HUMAN PERCEPTION 4 sh

Study in human perception includes research and theory on the structural and functional characteristics of various perceptual systems, on perceptual phenomena such as depth and color perception, and on other related topics. Prerequisite: PSY 111.

PSY 356. HEALTH PSYCHOLOGY 4 sh

This course focuses upon the role of psychology in a variety of medical issues: health-enhancing and health-compromising behaviors, stress and illness, patient-practitioner relationships, pain and other chronic conditions. The growing field of health psychology is explored as both an area of research and a clinical profession. Prerequisite: PSY 111.

PSY 357. CRIMINAL BEHAVIOR 4 sh

This course focuses primarily on the causes of crime, the criminal mind, and the resulting social and personal costs of crime. Also addressed are various aspects of the criminal justice system, including the relevance of psychology to courtroom proceedings. Although many types of crime are explored, emphasis is placed on violent crime.

PSY 361. ANIMAL BEHAVIOR 4 sh

An investigation of animal behavior takes into account physiology, development, evolution and adaptation. Studies emphasize specialized structures and abilities which may or may not be present in humans and which confer selective advantages upon their possessors. Prerequisite: PSY 111.

PSY 363. INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY 4 sh

Psychological applications in the workplace are the focus of this course. Topics include personnel selection, leadership and motivation, job satisfaction and work performance. Prerequisite: PSY 111.

PSY 366. PSYCHOLOGY IN CULTURAL CONTEXT 4 sh

Issues in the related fields of cultural and cross-cultural psychology are considered in depth as students investigate basic psychological processes [e.g., motivation, cognition, emotion] in the context of how cultural world views and implicit value assumptions influence the development and functioning of human behavior and social interaction. Prerequisite: PSY 111.

PSY 371. SPECIAL TOPICS IN PSYCHOLOGY 4 sh

PSY 391. INDEPENDENT STUDY 1-4 sh

Prerequisite: junior/senior status and permission of instructor.

PSY 461. SENIOR SEMINAR 4 sh

Each seminar focuses on a particular topic (motivation, aggression, expert performance, social cognition, etc.) and students become familiar with its theoretical perspectives. Working as a research team under faculty direction, students devise, implement and report an original empirical investigation of a question related to the selected area of concern. Prerequisites: PSY 202 and senior status in the major. Offered fall and spring.

PSY 481. INTERNSHIP IN PSYCHOLOGY 1-4 sh

Upper-level majors apply psychological theories and techniques to actual experiences in the field. Maximum 4 sh toward major. Prerequisite: majors only with faculty approval.

PSY 491. INDEPENDENT STUDY 1-4 sh

Prerequisite: senior status and permission of the instructor.

PSY 499. RESEARCH 1-4 sh

In collaboration with a psychology faculty member, students undertake an empirical or theoretical study of a topic in psychology. Research projects may include a review of the relevant research literature, data collection and analysis, and a presentation or

report when the study is completed.

Prerequisite: PSY 111, 201 and permission of instructor. A completed research proposal form completed by the student in conjunction with the faculty member is required for registration. Students may register for 1-4 hours of credit per semester and may register for more than one semester of research for a total of 8 hours of research credit toward the major. Offered fall, winter and spring.

222

Public Administration

Chair, Department of Political Science and Public Administration: Professor C. Brumbaugh

Professors: Taylor, Zarzar

Associate Professors: Anderson, Helvey

Assistant Professors: Morgan, Spray

Adjunct Instructors: Colbert, Vellani

The Public Administration major prepares students interested in pursuing graduate education and careers in governmental or non-profit service agencies. Courses in the major include the study of the management functions in public agencies, governmental structures and processes, techniques used in the evaluation process and a variety of public policies. Field experiences including internships and course-linked service learning are emphasized within the major. Students develop technical competencies and theoretical understandings from courses relevant to Public Administration and from other disciplines as well.

As a major within the Political Science Department, the Public Administration curriculum emphasizes the development of the student's understanding of the ideas, individuals and institutions engaged in making public policies and administering public organizations and the influence these activities have in the lives of people in the community and the nation. Courses investigate current issues and opinions, the process by which groups and governmental agencies formulate and implement policy, and the classic questions of how societies balance freedom, social justice, order and efficiency. The major is particularly concerned with how the public administration practitioner balances the twin priorities of political responsiveness and politically neutral professional competence. The department offers majors in Political Science and Public Administration as well as minors in each field.

A major in Public Administration requires the following courses:

PUB 231	Public Administration	4 sh
PUB 328	Public Policy	4 sh
PUB 431	Policy Analysis and Program Evaluation	4 sh
PUB 461	Seminar in Public Administration	4 sh
POL 111	American Government	4 sh
POL 222	State and Local Government and Politics	4 sh
SSC 285	Research Methods	4 sh
ACC 201	Principles of Financial Accounting	4 sh
ECO 201	Principles of Economics	4 sh

Twelve hours selected from the following courses: 12 sh

CIS 116	Microcomputer Applications
ECO 332	Public Finance
ECO 413	Labor Economics
BUS 303	Introduction to Managing or
BUS 323	Principles of Management
BUS 425	Personnel Administration
LSM 327	Leisure/Sport Programming
LSM 425	Leisure and the Environment
POL 325	The Presidency
POL 326	The Congress
POL 420	Campaign Management

Any other Public Administration course

TOTAL 48 sh

A minor in Public Administration requires the following courses:

PUB 231	Public Administration	4 sh
PUB 431	Policy Analysis and Program Evaluation	4 sh
POL 111	American Government	4 sh
SSC 285	Research Methods	4 sh

Four semester hours from the following courses: 4 sh

POL 222	State and Local Government and Politics
POL 325	The Presidency
POL 326	The Congress
BUS 303	Introduction to Managing
BUS 323	Principles of Management
BUS 425	Personnel Administration

TOTAL 20 sh

PUB 231. PUBLIC ADMINISTRATION 4 sh

This course introduces the student to the complexities of administering government activities and emphasizes the basic principles of organizations, decision-making, fiscal management, personnel management and other forms of action in the public sector. Offered spring.

PUB 328. PUBLIC POLICY 4 sh

This study of public policy making emphasizes policy content and focuses on the stages and options in the process, especially the complex relationships between the branches and levels of government within the structure of federalism. Students trace the development of selected public policy positions and focus on options available to contemporary decision makers. Offered fall.

PUB 428. ENVIRONMENTAL POLITICS AND NATURAL RESOURCE LEGISLATION 4 sh

(Same course as POL 428. see POL 428 for description.) Offered spring.

PUB 431. POLICY ANALYSIS AND PROGRAM EVALUATION 4 sh

Two aspects of the public policy process are covered in this course. Policy analysis focuses on the formulation stage of the policy process and attempts to isolate both the intended and many unintended effects. Program evaluation determines the degree to which a program is meeting its objectives and considers problems and side effects. Prerequisite: POL 111 or permission of instructor. Offered spring.

PUB 433. TOPICS IN URBAN POLITICS 4 sh

Advanced study in areas of the urban politics field centers on varying topics to be decided by the instructor. Selections might include urban management, urban public policy, urban problems, etc. Prerequisite: POL 222 or permission of instructor.

PUB 461. SEMINAR IN PUBLIC ADMINISTRATION

4 sh

The capstone experience for senior public administration majors involves review of the discipline's conceptual approaches, discussion and development of research strategies. Students must present a work of original scholarship. Prerequisite: senior majors only. Offered fall and spring.

PUB 481. INTERNSHIP IN**PUBLIC ADMINISTRATION** 1-16 sh

Work experience in a nonprofit, business, governmental or legal setting requires students to establish experiential goals and to reflect on the learning experience. Offered on an individual basis when suitable opportunities can be arranged. Prerequisite: PUB 211, an additional PUB/POL course and permission of the instructor.

PUB 485. WASHINGTON INTERNSHIP IN POLITICAL SCIENCE

1-12 sh

Work experience in a partisan, nonprofit business, governmental or legal setting in the

Washington, D.C. area, requires students to establish experiential goals and reflect on the learning experience. Offered on an individual basis when suitable opportunities can be arranged. Prerequisite: POL 111, an additional course in Political Science and permission of the instructor.

PUB 491. INDEPENDENT STUDY

1-4 sh

PUB 499. RESEARCH

1-4 sh

This course is an opportunity for students to undertake an empirical or theoretical study of a topic in political science in collaboration with a departmental faculty member. Research projects may include a review of research literature, developing a research design, data collection and analysis, and a presentation or report when the study is completed. Prerequisite: permission of instructor. A research proposal form completed by the student in conjunction with the faculty member is required for registration. Students may register for 1-4 hours of credit per semester and may register for more than one semester of research for a total of 8 hours of research credit toward the major. Students must have a 2.5 GPA or higher and have completed 28 semester hours of college work.

224

Religious Studies

Chair, Department of Religious Studies: Professor Wilson

Professors: Chase, Pace, Pugh

Associate Professor: Chakrabarti

Assistant Professor: McBride

Religious studies courses and the religious studies major and minor are designed to help students learn about one of the most basic and universal aspects of human existence. Knowing about religion helps us all to better understand ourselves and the beliefs of others.

The series of courses required for the major gives students a taste of three major subdivisions within the discipline of religion. The members of the religious studies faculty seek to foster in students a love of learning, informed values and a spirit of tolerance. In keeping with Elon's liberal arts objectives, the program and the faculty also seek to develop the students' ability to think critically and communicate effectively, both in the discipline and in other areas of life.

A major in Religious Studies requires the following courses:

REL 111	Introduction to the Old Testament	4 sh or
REL 112	Introduction to the New Testament	4 sh
REL 121	World Religions	4 sh
REL 134	Introduction to Religious Studies	4 sh
REL 492	Senior Seminar	2 sh

An additional 6 courses, five at the 300-400 level 24 sh

1 course in Biblical Studies

1 course in Eastern and Islamic Studies

1 course in Theological and Ethical Studies

3 electives

(Greek 110, 210 are recommended for all Religious Studies majors and Greek 310 may be substituted for a Religious Studies course in the Biblical Studies area.)

TOTAL 38 sh

A minor in Religious Studies requires the following courses: Eight semester hours of Religious Studies at the 300-400 levels. Twelve semester hours of Religious Studies courses at any level. Courses must be taken from at least two major areas.

TOTAL 20 sh

**REL 111. INTRODUCTION TO
THE OLD TESTAMENT** 4 sh

Students are introduced to the history, literature and religion of the Israelite people in context of ancient Near Eastern culture.

England, India and/or the Middle East (Israel, Egypt and Jordan). Winter Term only.

BIBLICAL STUDIES

**REL 112. INTRODUCTION TO
THE NEW TESTAMENT** 4 sh

New Testament studies the rise and development of Christianity and its literature.

**REL 321. ARCHAEOLOGY OF THE ANCIENT
NEAR EAST** 4 sh

This study surveys major archaeological research as it relates to the Near East, with particular emphasis on Egypt, Palestine and Mesopotamia.

REL 121. WORLD RELIGIONS 4 sh

The origin, historical development and beliefs of selected religious traditions are the focus of this course.

REL 322. OLD TESTAMENT PROPHETS 4 sh

The background, personal characteristics, function, message and present significance of the Hebrew prophets is the focus of this course.

**REL 134. INTRODUCTION TO RELIGIOUS
STUDIES** 4 sh

Religious Studies considers the human religious experience and its impact throughout history and in the contemporary world.

REL 324. JOB 4 sh

Study of the Old Testament Book of Job includes its contents, literary structure, impact on modern literature and drama and its message about senseless tragedy for today's world.

**REL 181. INTERNSHIP IN RELIGIOUS
STUDIES** 1 sh

An optional internship may occasionally be offered in conjunction with "Introduction to Religious Studies."

REL 325. REVELATION AND OTHER APOCALYPTIC LITERATURE 4 sh

The course examines the origins of apocalyptic thought in early Jewish and Christian history. While half of the course is a very close and detailed reading of Revelation,

REL 251. RELIGIOUS STUDIES ABROAD 4 sh

Religious study tours are offered to

some Old Testament and intertestamental apocalyptic literature is also read.

REL 326. LIFE AND THOUGHT OF PAUL 4 sh

This study analyzes major motifs of Paul's theology by interpreting his New Testament writings.

REL 329. JESUS AND THE GOSPELS 4 sh

The course is a close reading and comparison of Matthew, Mark and Luke in parallel columns, along with the non-canonical Gospel of Thomas. John will be read separately toward the end of the course.

THEOLOGICAL AND ETHICAL STUDIES

REL 334. MODERN RELIGIOUS THINKERS 4 sh

Course study consists of an examination of the theologies of selected major thinkers in the Judeo-Christian tradition.

REL 336. LIFE AND THOUGHT OF THE CHRISTIAN CHURCH 4 sh

This course considers the influence of Christianity in a sociocultural and theological perspective and examines church personalities, controversies and decisions from Jewish antecedents to the present day.

REL 338. CONTEMPORARY THEOLOGY 4 sh

Beginning with background in historical theology, the class will study different theological perspectives and developments of the modern world.

REL 341. CHRISTIAN ETHICS 4 sh

Special attention is given to analyzing selected personal and social ethical issues in a systematic and biblically based study of the types and principles of Christian ethical theory.

REL 345. A THEOLOGY OF HUMAN LIBERATION 4 sh

This study analyzes contemporary types of liberation theology — Third World liberation, Black liberation, women's liberation — through studying significant representative writings and biographies.

REL 347. WOMEN AND RELIGION 4 sh

The course considers the influence of reli-

gion on women in home, church and society through the years and the impact of women past and present on religion, religious thinking and religious institutions.

REL 348. ENVIRONMENTAL ETHICS 4 sh

In an exploration of the moral dimensions of the environmental crisis, students examine the roles which religious and philosophical ethics play in providing frameworks for understanding environmental issues and developing guidelines for addressing specific contemporary problems. (REL 348 is the same course as PHL 348.)

REL 355. PHILOSOPHY OF RELIGION 4 sh

(Same course as PHL 355. See PHL 355 for description.)

EASTERN AND ISLAMIC STUDIES

REL 353. BUDDHISM 4 sh

This course gives students a critical understanding of basic concepts and doctrines of Buddhism, considering the similarities and contrasts between different major schools of Buddhism as well as Buddhism's relationship to Taoism and Confucianism.

REL 356. HINDUISM 4 sh

This study of the history, scripture and beliefs of this major religion of India includes topics such as the doctrine of creation, karma, reincarnation and the problem of evil.

REL 357. ISLAM 4 sh

Study of the history, scripture and beliefs of Islam gives attention to Islam as an influential force in the contemporary world.

SPECIAL COURSES

REL 365. LITERATURE AND THEOLOGY 4 sh

(Same course as ENG 365. See ENG 365 for description.)

REL 380. RELIGION IN CONTEMPORARY BRITAIN 4 sh

The focus of this travel course centers on a study of the beliefs and practices of various faith communities in a multi-cultural and plural society, specifically modern-day Britain.

REL 471. SEMINAR: SPECIAL TOPICS 1-4 sh**REL 481. INTERNSHIP IN RELIGIOUS STUDIES** 1-4 sh

This course provides opportunities for upper-level students to apply concepts and information gained in the religious studies classroom to actual experiences in local community and church agencies or as teaching assistants in freshman level classes. Max. 4 sh toward major. Prerequisite: junior/senior majors only, faculty approval.

REL 491. INDEPENDENT STUDY 1-4 sh

Upper-class majors (or others by instructor consent) may complete individual study in an area of special interest with the guidance of a member of the department. Max. 6 sh credit.

REL 492. SENIOR SEMINAR 2 sh

In this capstone course, the student and the department evaluate performance over the student's past years of study. Required of all majors during senior year.

227

Science Education

Coordinator: Associate Professor Agnew

The Departments of Biology, Chemistry and Physics in cooperation with the Department of Education offer programs leading to the Bachelor of Arts in Science Education with Secondary Science Comprehensive Certification and with Secondary Science Certification in the areas of Biology, Chemistry and Physics.

The Bachelor of Arts degree with Secondary Science Comprehensive Certification requires the following courses:

Professional Studies Courses in Education, Psychology and Information Systems 35 sh

PHY 102 Astronomy 4 sh

PHY 103 Geology 4 sh

All courses in one of the concentrations listed below 40 sh

Eight semester hours in science courses from each of the other two listed areas 4-16 sh

TOTAL **87-99 sh**

Concentrations

Biology concentration:

BIO 111 Introductory Cell Biology 3 sh

BIO 112 Introductory Population Biology 3 sh

BIO 113 Cell Biology Lab 1 sh

BIO 114 Population Biology Lab 1 sh

BIO 221 Zoology 4 sh

BIO 222 Botany 4 sh

BIO 322 Molecular/Cellular Biology 4 sh

CHM 111 General Chemistry I 3 sh

CHM 112 General Chemistry II 3 sh

CHM 113 General Chemistry I Lab 1 sh

CHM 114 General Chemistry II Lab 1 sh

CHM 211 Organic Chemistry I 3 sh

CHM 213 Organic Chemistry I Lab 1 sh

Select one course from: 4 sh

BIO 312 Comparative Vertebrate Anatomy

BIO 321 Microbiology

BIO 325	Human Histology
BIO 335	Field Biology
BIO 341	Animal Physiology
BIO 342	Plant Physiology
BIO 452	General Ecology

Select one course from: 4 sh

CHM 212&214	Organic Chemistry II & Lab
CHM 232	Chemical Separations
CHM 332&333	Physical Chemistry I & Lab

228

TOTAL 40 sh

Chemistry concentration:

CHM 111	General Chemistry I	3 sh
CHM 112	General Chemistry II	3 sh
CHM 113	General Chemistry I Lab	1 sh
CHM 114	General Chemistry II Lab	1 sh
CHM 211	Organic Chemistry I	3 sh
CHM 212	Organic Chemistry II	3 sh
CHM 213	Organic Chemistry I Lab	1 sh
CHM 214	Organic Chemistry II Lab	1 sh
CHM 232	Chemical Separations	4 sh or
CHM 311	Quantitative Analysis	4 sh
CHM 332	Physical Chemistry I	3 sh
CHM 333	Physical Chemistry I Lab	1 sh
BIO 111	Introductory Cell Biology	3 sh
BIO 113	Introductory Cell Biology Lab	1 sh
PHY 113	General Physics W/Calculus I	4 sh
PHY 114	General Physics W/Calculus II	4 sh
(Physics 111 and 112 may be substituted for Physics 113 and 114)		
MTH 121	Calculus and Analytic Geometry I	4 sh

TOTAL 40 sh

Physics concentration:

PHY 113	General Physics W/Calculus I	4 sh
PHY 114	General Physics W/Calculus II	4 sh

(Physics 111 and 112 may be selected to satisfy 8 sh in Physics for Biology or Chemistry concentration.)

PHY 213	Modern Physics	4 sh
PHY 301	Classical Mechanics and Dynamical Systems	4 sh
PHY 311	Classical Electrodynamics	4 sh
PHY 312	Electricity, Magnetism, and Field Theory	4 sh
MTH 115	College Algebra and Elementary Functions	4 sh
MTH 121	Calculus and Analytic Geometry I	4 sh
MTH 221	Calculus and Analytic Geometry II	4 sh
MTH 321	Calculus and Analytic Geometry III	4 sh

TOTAL 40 sh

Secondary Science Certification

The Bachelor of Arts degree with Secondary Science Certification requires the following courses:

Professional Studies Courses in Education and Psychology	35 sh
PHY 102 Astronomy	4 sh
PHY 103 Geology	4 sh
All courses in one of the concentrations listed below	40 sh
Twelve semester hours in science courses from one of the other two listed areas	0-12 sh
TOTAL	83-95 sh

229

Concentrations

Biology concentration:

BIO 111	Introductory Cell Biology	3 sh
BIO 112	Introductory Population Biology	3 sh
BIO 113	Cell Biology Lab	1 sh
BIO 114	Population Biology Lab	1 sh
BIO 221	Zoology	4 sh
BIO 222	Botany	4 sh
BIO 322	Molecular/Cellular Biology	4 sh

Select one course from: 4 sh

- BIO 312 Comparative Vertebrate Anatomy
- BIO 321 Microbiology
- BIO 325 Human Histology
- BIO 335 Field Biology
- BIO 341 Animal Physiology
- BIO 342 Plant Physiology
- BIO 452 General Ecology

CHM 111	General Chemistry I	3 sh
CHM 112	General Chemistry II	3 sh
CHM 113	General Chemistry I Lab	1 sh
CHM 114	General Chemistry II Lab	1 sh
CHM 211	Organic Chemistry I	3 sh
CHM 213	Organic Chemistry I Lab	1 sh

Select one course from: 4 sh

- CHM 212/214 Organic Chemistry II & Lab
- CHM 232 Chemical Separations
- CHM 332/333 Physical Chemistry I & Lab 4 sh

TOTAL **40 sh**

Chemistry concentration:

CHM 111	General Chemistry I	3 sh
CHM 112	General Chemistry II	3 sh
CHM 113	General Chemistry I Lab	1 sh

CHM 114	General Chemistry II Lab	1 sh
CHM 211	Organic Chemistry I	3 sh
CHM 212	Organic Chemistry II	3 sh
CHM 213	Organic Chemistry I Lab	1 sh
CHM 214	Organic Chemistry II Lab	1 sh
CHM 232	Chemical Separations	4 sh or
CHM 311	Quantitative Analysis	4 sh
CHM 332	Physical Chemistry I	3 sh
CHM 333	Physical Chemistry I Lab	1 sh
BIO 111	Introductory Cell Biology	3 sh
BIO 113	Introductory Cell Biology Lab	1 sh
PHY 113	General Physics W/Calculus I	4 sh
PHY 114	General Physics W/Calculus II	4 sh
(Physics 111 & 112 may be substituted for Physics 113 and 114)		
MTH 121	Calculus and Analytic Geometry I	4 sh

TOTAL		40 sh
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Physics Concentration:

PHY 113	General Physics W/Calculus I	4 sh
PHY 114	General Physics W/Calculus II	4 sh
PHY 213	Modern Physics	4 sh
PHY 301	Classical Mechanics and Dynamical Systems	4 sh
PHY 311	Classical Electrodynamics	4 sh
PHY 312	Electricity, Magnetism, and Field Theory	4 sh
MTH 115	College Algebra and Elementary Functions	4 sh
MTH 121	Calculus and Analytic Geometry I	4 sh
MTH 221	Calculus and Analytic Geometry II	4 sh
MTH 321	Calculus and Analytic Geometry III	4 sh

TOTAL		40 sh
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Social Science

The disciplines of the social sciences offer several interdisciplinary courses that study the methods and approaches used in the social science fields. In addition, the Social Sciences host two special programs: The Social Science Scholars Program (see page 30 for further information) and a major in Social Science Education (see page 231).

SSC 285. RESEARCH METHODS

4 sh

Students examine basic social scientific methods, including the philosophy of science, problem definition, concept formation, hypothesis testing, sampling methods, scale construction and data generation, explanation and prediction and analyze research problems susceptible to the use of quantitative data. Offered fall and spring.

SSC 350. SCHOLARSHIP AT WORK: RESEARCH IN THE SOCIAL SCIENCES

2 sh

An interdisciplinary seminar exploring how scholars in the social sciences ask questions, explore topics and apply their research. Students must concurrently register for SSC 499 (2 sh) to work with a faculty mentor

from the social science division to prepare a research proposal for a "Scholars Project."
Prerequisite: acceptance as a Social Science Fellow and junior standing.

**SSC 351. SCHOLARSHIP AT WORK:
RESEARCH IN THE SOCIAL
SCIENCES** 2 sh

An interdisciplinary seminar exploring how scholars in the social sciences ask questions, explore topics and apply their research. Students must concurrently register for SSC 499 (2 sh) to work with a faculty mentor from the social science division to begin

work on their "Scholars Project."
Prerequisite: acceptance as a Social Science Fellow and junior standing.

**SSC 499. INDEPENDENT RESEARCH:
SCHOLARS PROJECT** 1-4 sh

An undergraduate original research project guided by a faculty mentor. Course may be repeated for a maximum of 8 semester hours. Open only to students who are enrolled in SSC 350 or 351 or who have completed these courses.

231

Social Science Education

Chair, Department of Sociology: Professor Basirico

Coordinator: Assistant Professor Curry

Social science education, designed for prospective secondary school social studies teachers, is an integrated, multidisciplinary study of interactions among people in diverse cultural and geographical environments. It examines political institutions, economic processes, historical events and social forces which influence human behavior and produce continually changing relationships and ideas.

The social science education program helps students understand major social, economic, political and environmental issues in both historical and contemporary settings. The program also focuses on the relationship between the person and the larger society. In that context, students are encouraged to reflect upon their own values and behavior. Part of this process emphasizes the development of analytical and communication skills which help people solve problems and make decisions rationally.

Elon's social science education program provides students with an opportunity to master the competencies required by the North Carolina State Department of Public Instruction, including the ability to 1) formulate objectives; 2) identify and use available resources; 3) read and interpret data; 4) select and create teaching strategies; 5) use facts, develop concepts and formulate generalizations; 6) design and use assessment and evaluation techniques; 7) use democratic classroom methods; 8) recognize and deal with sensitive and controversial issues; and 9) computer technology relevant to the social sciences.

A major in Social Science Education requires the following courses:

ECO 201	Principles of Economics	4 sh
GEO 131	The World's Regions	4 sh
SOC 111	Introductory Sociology	4 sh
POL 111	American Government	4 sh
SOC 112	Introduction to Anthropology	4 sh
POL 261	Comparative Politics	4 sh
HST 112	Europe and the Mediterranean World since 1660	4 sh
HST 121	United States History through 1865	4 sh
HST 122	United States History since 1865	4 sh

HST 361	North Carolina in the Nation	4 sh
A 300-400 level	Geography	4 sh
A 300-400 level	non-U.S. History	4 sh
A 300-400 level	History	4 sh
HST 301	Research Methods	4 sh
History Seminar		4 sh
Thirty-five semester hours	professional education and psychology courses	35 sh
TOTAL		87 sh

232

Sociology and Anthropology

Chair, Department of Sociology: Professor Basirico

Coordinator, Anthropology Minor: Professor Bolin

Professors: Arcaro, T. Henricks

Assistant Professors: Curry, Jones, Smith-Nonini

Sociology and anthropology provide the student with an exceptional understanding of the world by developing an awareness of how society and culture shape our lives and perspectives. Studying sociology and anthropology is more like a journey in which we learn to stand outside ourselves to see our world with new eyes.

Sociologists and anthropologists study all forms and dimensions of human social and cultural behavior from the institutional to the interpersonal. For example: How do people select a mate? How are people organized into groups such as sororities, fraternities and sports teams? How do institutions such as the family, economy, government, religion and health care develop and affect our lives?

With their wide scope, sociology and anthropology are linked to all the disciplines and are complementary to any major found at Elon. The U.S. is a culturally diverse society and solutions to our interpersonal, community, national and international problems demand an understanding of society and culture.

The socio-cultural perspective students develop through sociology and anthropology is an asset not only in their personal lives, but also in business, politics, economics, health care, education, health and fitness, social services, the mental health field, urban planning, family planning and many other professions.

A major in Sociology requires the following courses:

SOC 111	Introductory Sociology	4 sh
SOC 112	Introduction to Anthropology	4 sh
SOC 215	Sociocultural Inquiry	4 sh
SOC 261	Sociological Theory	4 sh
SOC 451	Comprehensive Review in Sociology	2 sh
SOC 461	Senior Seminar in Sociology	4 sh
SSC 285	Research Methods	4 sh
Sixteen semester hours of	electives in Sociology courses and/or Mathematics 114 (Elementary Statistics)	16 sh
TOTAL		42 sh

A minor in Sociology requires the following courses:

SOC 111	Introductory Sociology	4 sh
SOC 215	Sociocultural Inquiry	4 sh
Twelve semester hours selected from Sociology courses		12 sh
TOTAL		20 sh

A minor in Anthropology requires the following courses:

SOC 112	Introduction to Anthropology	4 sh
SOC 215	Sociocultural Inquiry	4 sh
Twelve semester hours selected from		12 sh
SOC 121	Cross-Cultural Encounters (2sh)	
SOC 212	Cultural Anthropology	
SOC 253	Studies Abroad in Australia	
SOC 322	Ethnography	
SOC 323	Issues in Culture and Psychology (2 sh)	
SOC 324	Culture and Sex	
SOC 325	Culture and Health	
SOC 326	Culture of the Corporation	
SOC 327	Encountering the Sacred	
SOC 328	Culture and the Modern World	
SOC 345	Sociocultural Perspectives on Gender	
SOC 362	Readings in Anthropology	
SOC 380-389	Special Topics in Anthropology	
SOC 482	Internship in Anthropology (1-4 sh)	
ENG 303	Linguistics	
TOTAL		20 sh

SOC 111. INTRODUCTORY SOCIOLOGY 4 sh

An introduction to basic theoretical principles and research methods of modern sociology, including such issues as the relationship between culture, personality and society; the fundamental forms of social structure; social institutions such as religion and the family; and social processes such as deviance and social change. Offered fall and spring.

SOC 112. INTRODUCTION TO ANTHROPOLOGY 4 sh

Students explore the meaning of human nature as it has developed over time and is given expression in human cultures. Study emphasizes bio-cultural evolution of the human species, methods used to study both physical and cultural evolution and the diversity and development of human language. Offered fall and spring.

SOC 121. CROSS CULTURAL ENCOUNTERS 2 sh

This course is an introduction to the subject of culture and to living in a multicultural world. The central theme of the course is appreciating as well as understanding cultural diversity. Students will develop and expand their cultural sensitivity through a variety of experiential activities focused on becoming more aware of the role of culture as central in defining who we are as individuals. Exposure to the unique approaches of anthropologists in encountering and communicating with peoples of different cultures and backgrounds will be emphasized. This course will serve as an excellent foundation for a variety of majors in communications, the humanities, the social sciences, business, education, and for those with a geographic focus such as Asia, Africa, Russia, etc. It will also serve as preparation for studies abroad experience.

SOC 131. SOCIOLOGY THROUGH FILM 4 sh

This course explores sociological principles, concepts, theories, ideas, themes, and issues as they may be illustrated in cinema, television, and commercials. Relevant sociological readings are assigned to accompany the specific sociological content being illustrated in each session.

SOC 212. CULTURAL ANTHROPOLOGY 4 sh

This introduction to the study of human cultures focuses on the concept of culture, and presents theories and methods used by anthropologists studying peoples across the globe, including ourselves. Topics include social organization, marriage, making a living, religion and political organization, among others. Prerequisite: SOC 111 or 112.

SOC 215. SOCIOCULTURAL INQUIRY 4 sh

Students develop an understanding of the ways sociologists and anthropologists inquire about society, use socio-cultural perspectives and theories to frame researchable questions and discuss ways of collecting and analyzing information. Special emphasis is given to library and other informational technology and to qualitative methodology, including content analysis and field research. Prerequisite: SOC 111 or 112. Offered spring.

SOC 227. FROM THE GROUND DOWN 4 sh

Students explore the adventure and science of archaeology from the perspective of an anthropologist. This course highlights great discoveries in archaeology with a look at famous sites worldwide. An overview of the development of archaeology from treasure hunting to a high-tech science are presented. Additional topics include fieldwork techniques, artifact analysis, interpretation, forensic analysis and cultural resource preservation. The course includes visits to archaeological sites in the area.

SOC 241. SOCIAL ISSUES AND PROBLEMS

4 sh

Students investigate social issues pertaining to institutions and use a sociological framework to discover the interconnections

between national and global problems.

Study focuses on causes, consequences and policies concerning such problems as racism, sexism, poverty, war, overpopulation, and issues pertaining to institutions of the family, economy, government, medicine, religion and others.

SOC 245. NONVIOLENCE OF THE BRAVE: FROM GANDHI TO KING

4 sh

Students are exposed to the ideas and personalities of political philosophers and leaders who have influenced major non-violent social and political movements in the 20th century. Common themes appearing in the philosophies and action plans of Thoreau, Gandhi, King, and others are explored and compared to the philosophies and action plans of leaders such as Mao Tse Dong, Malcolm X and others. The course includes readings, feature films, and documentaries.

SOC 253. STUDIES ABROAD IN AUSTRALIA

4 sh

Students experience Western Australia through anthropological and sociological perspectives. The influence of Aboriginal, European, and Pacific migrants on Australian culture is examined. A predominant focus of the course is an exploration of aboriginal peoples in relationship to Euro-Australian interests. Students are exposed to a rich cultural milieu through orientation prior to departure, participant-observation, focused observations, field trips, lectures, and directed self-learning. This course is offered during winter.

SOC 261. SOCIOLOGICAL THEORY

4 sh

In sociological theory, students explore conceptualization and model-building in modern sociology and consider the emergence of sociological traditions or perspectives. Topics concentrate on underlying assumptions, historical and intellectual background and logical consequences of these positions. This course is a Writing Intensive Course in the department, meaning at least 70 percent of the grade comes from writing assignments during the course. Prerequisite: SOC 111. Offered spring.

SOC 311. THE FAMILY

4 sh

An investigation of the family as an institution in societies, focusing on the development and current patterns of the American family. Specific topics include social class differences, racial and ethnic variations, premarital patterns, marital interaction, family problems and the future prospects for the family. Prerequisite: SOC 111.

SOC 314. SOCIOLOGY OF SPORT

4 sh

This course focuses on sport as a major social institution in American society. Topics include the social organization of sport, the relationship of sport to other aspects of American life such as politics and education, the experiences of African-Americans, women, and youth in sport and the effects of sport on culture, personality and society.

SOC 322. ETHNOGRAPHY

4 sh

This course teaches the methods anthropologists use to gain access, develop rapport, collect and analyze data and interpret findings when studying human cultures. Students also read selected ethnographies (first hand accounts by anthropologists who have lived among peoples of various cultures throughout the globe, including ourselves). Prerequisite: SOC 111 or 112.

SOC 323. ISSUES IN CULTURE AND PSYCHOLOGY

2 sh

Exploration of developments in psychological anthropology emphasizes recent trends, including culture and mental illness, altered states of consciousness and the relationship of culture and emotion. Prerequisite: SOC 111 or 112.

SOC 324. CULTURE AND SEX

4 sh

This course examines human sexuality from a bio-cultural perspective, exploring the physiology of human sexuality and the cross-cultural context of sexual expression. Themes include alternative sexual lifestyles, sexual dysfunction, the symbolic dimensions of sexuality and AIDS. Prerequisite: SOC 111 or 112.

SOC 325. CULTURE AND HEALTH

4 sh

This study of the bio-cultural basis of health and disease over time and across cultures

examines the importance of culture in the experience of illness, diagnosis and treatments. Topics include the cultural implications of food and food habits, health care practices, the relationship of healers and patients, alternative health care practices and the relationship of mind and body in illness and recovery. Prerequisite: SOC 111 or 112.

SOC 326. CULTURE OF**THE CORPORATION**

4 sh

This course investigates culture as found in corporations, compares the organization of work in corporate settings to work experience in other cultures, and analyzes companies in terms of organizational cultures including management strategies, the company gestalt, rituals, formal and informal roles, subcultures, etc. Prerequisite: SOC 111 or 112.

SOC 327. ENCOUNTERING THE SACRED

4 sh

Students develop an understanding of non-western views of the world through intellectual and experiential study of Native American perspectives. Anthropological concepts are used in conjunction with non-western methods of understanding. The course emphasizes the power of the oral tradition as a learning tool and explores the continuities and diversities of the Native American belief systems. Experiential activities include conversations with Native American healers and leaders, participation in Pow Wows and a variety of outdoor activities designed to help the students develop an animistic perspective.

SOC 328. CULTURE AND THE MODERN WORLD

4 sh

This course examines the changes that have created the "modern" world. The course initially considers social and cultural changes in Europe and America during the nineteenth and twentieth centuries, including changes in public ideas and values, economics, politics, religion, family life, community, education and public ceremony. A key theme will be the impact on self-experience. The second part of the course focuses on these issues as they are occurring presently within the developing countries. The nature and

influence of an emerging global "community" will be examined. Prerequisite: SOC 111 or 112.

SOC 329. PEOPLES AND CULTURES OF SOUTHEAST ASIA

4 sh

This course examines the area cultural anthropologists designate as Southeast Asia. Major sources include the Paleolithic record for an understanding of demographics, population, migration patterns, human biological variation (race) and cultural continuities. This course focuses on five central themes: (1) the diverse ethnic population and cultures of Southeast Asia; (2) the pattern of ecological adaptation; (3) marriage practices and family life; (4) ideology and ritual expressions, including the spiritual realms and religious life; and (5) problems of modernization and culture change. Prerequisite: SOC 111 or 112.

SOC 331. THE SELF AND SOCIETY

4 sh

Self and society involves the ways individuals are influenced by social interaction with others, with attention to the interaction processes of socialization, developing an identity, and individual identities affecting interactions. Other topics include the impact of social change, increased technological developments in everyday life, and post-modernism on the self and the sociological perspectives of symbolic interactionism and dramaturgy. Prerequisite: SOC 111.

SOC 332. CONTEMPORARY ENVIRONMENTAL ISSUES AND HUMAN VALUES

4 sh

This course has three distinct but interrelated components and focuses on the interaction between environmental concerns and human cultural systems. One section of study centers upon historical and macro-theoretical perspectives on environmental issues. Another specific focus is on understanding the American culture and how our particular values and priorities have manifested themselves vis-a-vis the natural environment. A third component focuses on the growing need for environmental planning on all levels from local to global.

SOC 333. SOCIAL STRATIFICATION

4 sh

This study of societal patterns of inequality includes consideration of differences in wealth, power, prestige and knowledge. Students examine the access levels groups have to these resources and the subsequent effects of their access level on educational opportunity, housing, health care, justice before the law, self esteem and life satisfaction. The stratification systems of the different societies are studied, but the primary focus is on institutionalized inequality in the U.S. Prerequisite: SOC 111.

SOC 341. ETHNIC AND RACE RELATIONS

4 sh

Students examine the meaning of minority group status in terms of the general patterns and problems confronting all minorities as well as the specific issues facing individual minority groups, such as African-Americans, Jews, European-Americans, and Asian-Americans. Discussion emphasizes the nature of prejudice and discrimination, the structure of minority-majority relations and strategies toward social equality. Prerequisite: SOC 111.

SOC 342. SOCIAL DEVIANCE

4 sh

This course considers deviance and social control in societal context. Emphasis is placed on the ways in which deviance is defined cross-culturally and on the different ways in which "deviants" are labeled and treated. The course focuses on socio-cultural explanations of deviance within such areas as mental and physical health, drug use, sexual expression, aggression and personal identity. The relationship between deviance and social stratification is examined. Prerequisite: SOC 111.

SOC 343. SOCIAL AND CULTURAL CHANGE

4 sh

Concern for the nature and direction of modernization provides a foundation in this course as students analyze patterns of social and cultural change (especially in technologically advanced societies such as the U.S.). Topics include innovation, diffusion, evolution, revolution, collective behavior and social movements, with emphasis on the

causes of patterns and their effects on individual and public life. Prerequisite: SOC 111.

SOC 344. SOCIOCULTURAL CHANGE IN INDIA

4 sh

This course uses the world recognized Comprehensive Rural Health Project located in Jamkhed, India as a case study of progressive social change. A reliance on grass-roots level effort, appropriate technology and long term strategies has made this project very successful, especially in its ability to positively impact the lives of women and children. Various sociological theories and methodologies will be examined in the context of this case study. Both ethnographic and quantitative data collected both by the instructor and from CRHP sources will be presented, examined and analyzed. The question of the possibility of "transplanting" this model to other cultural settings will be discussed. Students will be asked to research a social change organization of their choosing as part of this class. Prerequisite: SOC 111 or 112.

SOC 345. SOCIOCULTURAL PERSPECTIVES ON GENDER

4 sh

Students use sociological and anthropological perspectives, theories and concepts to analyze the meaning of being female and male in American society. Discussion emphasizes the inequities based upon gender, particularly the problems faced by women. Prerequisite: SOC 111 or 112.

SOC 347. COMMUNITY ORGANIZATION AND DEVELOPMENT

4 sh

Students explore characteristics of the changing pattern of community life by examining community organizations and analyzing the effect of change on community integration and development. The course emphasizes the types of relationships which people and organizations enter or form by clustering in the same location. Democratic processes in community action and principles of organization are also examined. Prerequisite: SOC 111.

SOC 351. SOCIOLOGY OF POPULAR CULTURE

4 sh

This course studies the nature and significance of culture as this is presented to the public through movies, magazines, newspapers, television, music, radio, popular fiction, spectator events and mass-produced consumer goods. The course will focus on patterns of production, distribution and consumption of popular culture; thematic issues; and effects on behavior. A special concern will be the relationship of popular culture images to "visions of the good life" in the modern US. Prerequisite: SOC 111.

SOC 355. SOCIOLOGY OF CRIME

4 sh

This course provides a sociological explanation of crime, with a focus on the relationship between social structure and criminal behavior. Included in this approach are studies of individual criminal behavior. Both classic and contemporary theories of crime are explored. Emphasis is placed upon the American context. Prerequisite: SOC 111.

SOC 361. READINGS IN SOCIOLOGY

4 sh

In this colloquium of significant readings in sociology, students explore specific substantive topics, key theoretical issues and new developments in the discipline. Prerequisite: Junior or senior standing, SOC 111 or 112. Offered fall.

SOC 362. READINGS IN ANTHROPOLOGY

4 sh

In this colloquium of significant readings in anthropology, students explore specific substantive topics, key theoretical issues and new developments in the discipline. Prerequisite: Junior or senior standing, SOC 111 or 112. Offered fall.

SOC 370-379. SPECIAL TOPICS IN SOCIOLOGY

2-4 sh

A series of courses reflecting new contributions in sociology or sociological issues. Prerequisite: To be determined by instructor.

SOC 380-389. SPECIAL TOPICS IN ANTHROPOLOGY

2-4 sh

A series of courses reflecting new contributions in anthropology or anthropological

issues. Prerequisite: To be determined by instructor.

**SOC 451. COMPREHENSIVE REVIEW
IN SOCIOLOGY** 2 sh

Students review the major theories, principles and concepts in sociology as preparation for major evaluation. This course is intended primarily for senior sociology majors and sociology minors. Students from other areas who seek a review of the field also may take this course. Offered in the Fall. Prerequisite: Must be sociology major, minor, or have permission of the instructor and be at least a junior. Offered fall.

**SOC 461. SENIOR SEMINAR
IN SOCIOLOGY** 4 sh

This capstone course reviews major areas of sociology and provides further opportunity to share research on these topics. Students conduct research ranging from how sociological knowledge can be applied occupationally and politically to more basic, academic topics. Prerequisite: Senior Sociology major. Offered spring.

SOC 471. SEMINAR: SPECIAL TOPICS 2-4 sh

SOC 481. INTERNSHIP IN SOCIOLOGY 1-4 sh

Teaching, research, service and occupational internships are offered. Limited to 4 semes-

ter hours credit applicable to Sociology major or minor. Prerequisite: Department permission and must be at least a sophomore.

**SOC 482. INTERNSHIP IN
ANTHROPOLOGY** 1-4 sh

Teaching, research, service and occupational internships are offered. Limited to 4 semester hours credit applicable to Sociology major or minor, or Anthropology minor. Prerequisite: Department permission and must be at least a sophomore.

SOC 491. INDEPENDENT STUDY 1-4 sh

**SOC 499. INDEPENDENT RESEARCH
IN SOCIOLOGY** 1-8 sh

The student develops an individual project of original research under the guidance of a professor within the department. Prerequisites include at least sophomore standing; status as a sociology major or minor, or anthropology minor; satisfactory completion of SOC 115 or SSC 285; and permission of the sponsoring professor. Students are also required to complete the department's "independent research" form, a process that includes a description of the proposed research and a student-professor plan for completing the course.

Sports Medicine

Chair, Department of Health Promotion, Leisure and Human Performance: Professor Calhoun

Professors: Beedle, J.P. Brown

Associate Professor: Farmer

Assistant Professors: Baker, Binkley, Davis, Hall, Miller, Parson, Smith

Instructors: Shorten, Welch

The Department of Health Promotion, Leisure and Human Performance offers majors in Health Education, Leisure/Sport Management, Physical Education and Sports Medicine (Exercise Sports Science and Athletic Training).

The sports medicine major prepares graduates for careers in athletic training, cardiac rehabilitation, exercise physiology, corporate wellness and related professions. After taking a series of core courses, the student chooses a concentration in either athletic training or exercise/sports science. Admission into the Athletic Training program follows CAAHEP guidelines. The selection process is outlined in the Athletic Training Program Advisement Packet.

The athletic training concentration requires 1,500 hours of clinical experiences in order for the graduate to take the National Athletic Training Association certification exam.

The exercise/sports science concentration includes a practicum and internship experience. Students who wish to pursue graduate degrees may go on to physical therapy, exercise physiology and other areas of study, after having satisfied the prerequisites.

A major in Sports Medicine requires the following core courses:

SPM 422	Physiology of Exercise	4 sh
SPM 432	Research Methods	4 sh
PED 305	Legal Aspects in HPEL	2 sh
PED 321	Kinesiology	4 sh
HED 220	First Aid	1 sh
HED 324	Nutrition	4 sh
HED 421	Health of the Body Systems	4 sh
BIO 161*	Human Anatomy	4 sh
BIO 162*	Human Physiology	4 sh
CHM 111*	General Chemistry I	3 sh
CHM 113*	General Chemistry I Lab	1 sh

Completion of Exercise/Sports Science track or Athletic Training track	14-30 sh
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TOTAL	49-65 sh
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*(Should be completed by freshman or sophomore year.)

Exercise/Sports Science track requires the following courses:

SPM 101	Introduction to Sports Medicine	2 sh
SPM 281	Practicum in Sports Medicine/ Exercise/Sports Science	2 sh
SPM 324	Exercise Motivation	2 sh
SPM 424	Exercise Programming	4 sh
SPM 482	Internship in Exercise/Sport Science	4 sh

TOTAL	14 sh
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Athletic Training track requires the following courses:

SPM 112	Athletic Training I	4 sh
SPM 212	Athletic Training II	4 sh
SPM 329	Assessment of Athletic Injuries	4 sh
SPM 330	Therapeutic Exercise and Rehabilitation	4 sh
SPM 430	Therapeutic Modalities	2 sh
SPM 481	Internship in Sports Medicine	4 sh
PED 410	Organization and Administration	4 sh
PSY 111	General Psychology	4 sh

TOTAL	30 sh
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Completion of 1,500 clinical hours

A minor in the Exercise/Sport Science track requires the following courses:

SPM 422	Physiology of Exercise	4 sh
HED 324	Nutrition	4 sh
PED 321	Kinesiology	4 sh
BIO 161	Human Anatomy	4 sh
BIO 162	Human Physiology	4 sh
TOTAL		20 sh

240

**SPM 101. INTRODUCTION TO
SPORTS MEDICINE**

2 sh

This course is an overview of professions in the field of sports medicine. Career opportunities within sports medicine and allied health will be investigated. Objectives include describing various aspects of careers, determining requirements for advanced study and learning what the necessary coursework would be for applying to several professions of interest.

SPM 112. ATHLETIC TRAINING I

4 sh

This course introduces the student to the profession and principles of athletic training, including topics such as sports medicine organizations, emergency care of specific injuries, emergency procedures, tissue repair and healing, transportation and transfer of catastrophic injuries, methods of bandaging and dressing wounds and adhesive taping. Offered fall and spring.

**SPM 281. PRACTICUM IN SPORTS
MEDICINE/EXERCISE/SPORTS
SCIENCE**

2 sh

The practicum introduces the student to professions in sports medicine and health-related fields. Students must choose three different agencies to work in, with about 27 hours at each agency. Students must turn in typed reports including a brief discussion of the experience, reflections and a critique of the experience/agency. Students may also assist with patient/client care and/or training and shadow their supervisor. Students must make arrangements with their professor the semester before taking the practicum. Prerequisite: SPM 101; majors only. Offered fall, winter, spring and summer.

SPM 212. ATHLETIC TRAINING II

4 sh

Students will gain practical knowledge and hands-on experience of advanced skills and techniques of athletic training. Topics include, but are not limited to: protective sports devices and equipment; drugs and sports; skin disorders; specific sports conditions and injuries; and advanced taping skills. Prerequisite: SPM 112, BIO 161, BIO 162, Admission to the Athletic Training Education Program or permission of instructor. Offered spring.

SPM 324. EXERCISE MOTIVATION

2 sh

Students examine the underlying motivations why people do and do not exercise and methods to change negative behaviors to positive ones. Topics include Kenyon's theory, psychological effects of exercise, exercise and personality, exercise and self-concept and special needs/interests, including injury, anorexia, disabilities and competitive sports. Offered fall and spring.

**SPM 329. ASSESSMENT OF ATHLETIC
INJURIES**

4 sh

This course familiarizes students with the principles of assessing sport injuries, including injury history, inspection, palpation, range of motion tests, muscle function tests, joint stability, neurological tests and specific anatomical features. This course is designed with a lecture and laboratory component. Prerequisite: SPM 212, admission to the Athletic Training Education Program or permission of instructor. Offered fall.

**SPM 330. THERAPEUTIC EXERCISE AND
REHABILITATION**

4 sh

Students study the process and components of therapeutic rehabilitation. Emphasis is placed on deconditioning and reconditioning following injury as well as the contribu-

tion of various forms of exercise and therapeutic techniques on recovery. Prerequisites: SPM 212, Admission to the Athletic Training Education Program or permission of instructor. Offered spring.

SPM 422. PHYSIOLOGY OF EXERCISE 4 sh

Students examine the immediate and long-term effects of exercise on the body, including the integration of various bodily systems as a result of exercise and the role of nutrition and exercise in weight management. Laboratory activities include aerobic capacity testing, blood lipid and metabolic profiles, determination of body composition and possibly adult fitness testing. This course requires a three-hour lab. Prerequisite: BIO 162. Offered fall and spring.

SPM 424. EXERCISE PROGRAMMING 4 sh

Students gain applied knowledge in order to evaluate, develop and supervise exercise programs for both healthy and special populations. Topics include basic terminology, risk identification, types of fitness tests, indications and contraindications to exercise, program administration and effective communication techniques. Prerequisite: SPM 422. Offered fall and spring.

SPM 430. THERAPEUTIC MODALITIES 2 sh

A study in the theoretical principles governing the application of therapeutic thermal, electrical, and mechanical modalities in a rehabilitation program is offered. The course mixes classroom lecture and hands-on experience to facilitate the understanding of modality use. Prerequisites: SPM 329 Admission to the Athletic Training Education Program or permission of instructor. Offered fall.

SPM 432. RESEARCH METHODS 4 sh

Students become familiar with basic research terminology and concepts, including statistics, developing a research problem, developing the research proposal, using computer software and measurement concepts. A research paper is required. Prerequisites: Senior standing; LSM 212, for LSM majors; SPM 422, for Exercise/Sport Science majors and SPM 329 for Athletic Training majors. Offered fall and spring.

SPM 481. INTERNSHIP IN SPORTS MEDICINE (ATHLETIC TRAINING) 4 sh

In this course, upper level majors have opportunities to apply classroom knowledge and skills to real world problems under the supervision of a faculty member and a certified athletic trainer. Settings may include a sports medicine clinic, professional sports team, corporate setting, etc. Students must keep a daily journal of their experiences, which are discussed in conferences with the faculty supervisor. The student must also complete a project benefitting the internship facility, but which would not have been possible without the student. Student evaluations are based on these assignments. Students should make arrangements with their professors the semester prior to taking the internship. Prerequisite: SPM 329, 330, junior/senior majors only, permission of department, 2.0 GPA overall; 2.0 GPA in major. Offered fall, spring and summer.

SPM 482. INTERNSHIP IN SPORTS MEDICINE (EXERCISE/SPORT SCIENCE) 4 sh

Upper-class exercise/sports science majors select a sports medicine or health-related agency for their internship, a capstone experience. Students serve 160 hours at the agency. Students turn in biweekly reports including a brief discussion of the experience, reflections and a critique of the experience/agency. Students may engage in problem solving assignments and perform research on some particular topic. Students may also assist with patient/client care and/or training and shadow their supervisor. A research paper is due near the end of the experience. Students should make arrangements with their professors the semester prior to taking the internship. Prerequisite: SPM 281. Junior/Senior status only; 2.0 GPA overall, 2.0 GPA in major. Offered fall, spring and summer.

SPM 499. RESEARCH IN SPORTS MEDICINE 1-4 sh

Independent research project supervised by faculty mentor.

Theatre Arts

Chair, Department of Performing Arts: Associate Professor McNeela

Assistant Professors: Becherer, Rubeck, Sabo

Adjunct Instructor: Johnson, Webb

The study of Theatre Arts can be a vital part of a liberal arts education. Creativity, teamwork, problem-solving, communication skills and critical thinking are all enhanced by this study, regardless of the student's eventual career goals.

The Department of Performing Arts offers both a Bachelor of Arts degree and a minor in Theatre Arts. Students who major in this field are prepared for graduate studies in Theatre or related fields or possible entry into the professional world.

The course of study within this major emphasizes a thorough grounding in all areas of the Theatre Arts (performance, production, design and directing, theatre history and literature) and a student-selected upper level emphasis. To provide practical application of coursework, students are expected to participate actively in department productions. For those interested in a career in theatre, regular opportunities exist for contact with the professional world through regional and national conferences, conventions, auditions and competitions.

The minor in Theatre Arts is designed for the general theatre enthusiast. Students complete a study of the base-level skills in performance, production and theory, followed by advanced study in a selected area. The purpose of this study is to create more informed audience members and avocational participants.

A major in Theatre Arts requires the following courses:

THE 120	Acting I	4 sh
THE 210	Technical Production in Theatre	4 sh
THE 220	Acting II	4 sh
THE 230	Playscript Analysis	4 sh
THE 301	Theatre History & Literature I	4 sh
THE 302	Theatre History & Literature II	4 sh
THE 340	Theatre Design	4 sh
THE 430	Play Direction	4 sh
THE 495	Senior Seminar	4 sh
Twelve semester hours (at least 8 sh at 300-400 level) selected from:		12 sh
(a) electives in THE or MTE		
(b) dramatic literature courses (ENG 342, 343, 352 or any course in English or Foreign Language which focuses on dramatic literature.)		

TOTAL	48 sh
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Emphasis Tracks

Selections from the following series of electives are recommended for students who wish to focus their study on either Performance or Design & Production. Students must complete twelve semester hours (at least 8 sh at 300-400 level).

a) Performance Track:

THE 221	Acting III	4 sh
THE 222	Fundamentals of Make-up Design & Application	2 sh
THE 223	Theatre Ensemble	1 sh
THE 225	Vocal Production & Diction	4 sh
THE 310	Advanced Projects in Theatre	2-4 sh

THE 320 Acting IV: Special Topics 4 sh

THE 330 Playwriting 4 sh

b) Design & Production Track:

THE 210 Theatre Workshop 2-4 sh

THE 222 Fundamentals of Make-up Design & Application 2 sh

THE 310 Advanced Projects in Theatre 2-4 sh

THE 440 Special Topics in Theatre Production and Design 4 sh

A minor in Theatre Arts requires the following courses:

THE 101 Introduction to Theatre 4 sh

THE 123 Acting for Non-Majors 4 sh

THE 210 Technical Production in Theatre 4 sh

Eight hours THE electives at the 300-400 level 8 sh

TOTAL 20 sh

THE 101. INTRODUCTION TO THEATRE 4 sh

Students explore the nature of theatre, how it is created and how it functions in society. Primary study covers the diversity of the art form, basic terminology and the event/audience relationship. Performance reaction papers, creative projects and lab hours are required. Offered fall or spring. (THE 101 is the same course as FNA 101.)

THE 110. THEATRE WORKSHOP 2-4 sh

Students work with a professor to earn credit for hands-on experiences in theatrical production. Max. 4 sh credit. Offered fall, winter and spring.

THE 120. ACTING I 4 sh

Students learn to free and expand their physical and vocal instruments, removing tension and inhibitions to become flexible, creative and expressive performers. Prerequisite: theatre arts/music theatre majors, or permission of instructor. Offered fall.

THE 125. ACTING FOR NON-MAJORS 4 sh

Designed to meet the interests of the non-major. With this course's dual focus, students gain experience in acting and examine topics such as the art of acting, leading to a more informed audience respondent. Performance reaction papers are required. Offered fall and spring.

THE 210. TECHNICAL PRODUCTION IN THEATRE 4 sh

Students learn the basics of theatrical pro-

duction in scenery and lighting, including fundamental drafting skills. A heavy hands-on lab is required. Offered fall.

THE 220. ACTING II 4 sh

Students work toward more effective communication by developing physical, vocal, and imaginative acting skills. Character development and improvisation create the core work leading to deeper understanding of actors' working methods. Performance reaction papers are required. Prerequisite: THE 120. Offered fall.

THE 221. ACTING III 4 sh

Students prepare scenework exercises to continue developing acting skills, with focus on realistic drama approached through a Stanislavski-based methodology. Performance reaction papers are required. Prerequisite: THE 220. Offered spring.

THE 222. FUNDAMENTALS OF MAKE-UP DESIGN AND APPLICATION 2 sh

Students learn the basic art of 2- and 3-dimensional stage make-up design and application, including corrective, age, fantasy and prosthetics. Students must purchase a make-up kit and serve on make-up crew for current department productions. Offered alternating years.

THE 223. THEATRE ENSEMBLE 1 sh

Students earn credit for performing in department productions. This course is repeatable. Prerequisite: Admission by audition only. Offered fall and spring.

**THE 225. VOCAL PRODUCTION
AND DICTION**

4 sh

Students study correct speaking voice production and diction for the standard American dialect, including the mechanics of speech, identification and correction of vocal problems, the International Phonetics Alphabet and standard production of vowel and consonant phonemes. Voice reaction papers and in-class presentations required.

THE 230. PLAYSCRIPT ANALYSIS

4 sh

Students learn various methods of analyzing playscripts as a basis for interpretation for all theatre artists. Performance reaction papers are required. Offered alternating years.

**THE 301. THEATRE HISTORY AND
LITERATURE I**

4 sh

Students explore the origins of the art form and its development through the 17th century, emphasizing understanding the historical context of the text and its performance conditions and methods by studying representative plays of each period. A major research assignment is required. Offered alternating years.

**THE 302. THEATRE HISTORY
AND LITERATURE II**

4 sh

Students further explore the evolution of the art form from the 17th century to the present with emphasis on understanding the historical context of the text and its performance conditions and methods by studying representative plays of each period. A major research assignment is required. Offered alternating years.

**THE 310. ADVANCED PROJECTS
IN THEATRE**

2-4 sh

Advanced, experienced theatre students earn credit for assuming major responsibilities in department productions. May be repeated for credit. Prerequisite: permission of instructor, availability of projects. Offered fall, winter and spring.

THE 320. ACTING IV: SPECIAL TOPICS

4 sh

In this course for advanced performers, each semester examines a different topic, such as audition techniques, stage dialects, acting for the camera and period style. Performance

reaction papers are required. May be repeated for credit. Prerequisites: THE 220, 221, majors only.

THE 330. PLAYWRITING

4 sh

Students learn the skills, working methods and processes of theatrical playwriting by studying playscripts and known playwrights and by strenuous writing assignments. Study culminates in a completed one-act script.

THE 340. THEATRE DESIGN

4 sh

As students learn to interpret text into visual design in scenery, costumes, and lighting, study focuses on decision-making, conceptualization, manipulating the elements and principles of design, communicating the design, and coordinating production design. Production reaction papers and lab hours are required. Prerequisites: THE 210 or permission of the instructor. Offered alternating years.

THE 430. PLAY DIRECTION

4 sh

Working methods of the stage director—from analysis through rehearsal—are the focus of this study, which culminates in the production by each student of a one-act play. Discussion emphasizes decision-making and communicating with actors. Production reaction papers and lab hours are required. Prerequisites: THE 220, 230. Offered alternating years.

THE 440. SPECIAL TOPICS IN THEATRE PRODUCTION AND DESIGN

4 sh

Students conduct an in-depth examination of a different topic each semester, such as scenic design, lighting design, costume design, production stage management and technical direction. Production reaction papers are required. May be repeated for credit. Prerequisites: THE 210, 230, 340.

THE 495. SENIOR SEMINAR

4 sh

This capstone experience for senior theatre arts majors concentrates on two areas: a practical project demonstrating proficiency in the field and preparation for graduate study or work in the profession.

Prerequisite: senior majors only. Offered fall.

Women's Studies/Gender Studies

Coordinator: Associate Professor Festle

Women's Studies is an interdisciplinary program begun nationally in the 1970s — at Elon in 1988 — with the goal of rethinking academic disciplines from the perspective of women's experience. This endeavor has challenged theoretical and empirical understandings of women and men and produced a wealth of new scholarship. Gender Studies was added in 1996 to broaden the focus of this new perspective and scholarship to include the study of men and masculinity. Students report that the study of women's issues and gender questions helps them think critically, analyze material from diverse perspectives and make informed decisions about their lives both before and after they graduate.

245

A minor in Women's Studies/Gender Studies requires the following:

Sixteen semester hours chosen from these courses: 16 sh

GST 270	Women, Men and Society
ECO 317	The Economics of Women
ENG 333	Women in Literature: Feminist Approaches
ENG 356	British Women Novelists
ENG 361	Gender Issues in Cinema
HST 364	History of Women in the United States
PHL 345	Feminist Philosophy
PSY 315	Psychology of Sex and Gender
REL 347	Women and Religion
SOC 324	Anthropology of Sex
SOC 345	Sociocultural Perspectives on Gender
WGS 371-379	Special Topics in Women's Studies/Gender Studies

Other Women's Studies/Gender Studies courses*

Four semester hours chosen from these courses: 4 sh

WGS 461-9	Seminars on Various Topics
WGS 481	Internship in Women's Studies/ Gender Studies (1-4 sh)
WGS 491	Independent Study (1-4 sh)

TOTAL 20 sh

* Other courses cross-listed with disciplines will be offered from time to time, with a suffix "WGS" indicating that they may be used to fulfill Women's Studies/Gender Studies requirements.

WGS 371-379. SPECIAL TOPICS IN WOMEN'S STUDIES/ GENDER STUDIES

4 sh

WGS 461-469. SEMINARS ON VARIOUS TOPICS

4 sh

These interdisciplinary seminars combine two or more approaches in feminist and/or gender scholarship, with varying concentrations on significant topics. Prerequisites: junior standing and two women's studies/gender studies courses.

WGS 481. INTERNSHIP IN WOMEN'S STUDIES/GENDER STUDIES

1-4 sh

Teaching, research, service and occupational internships focusing on women/gender issues are offered. Prerequisite: two women's studies/gender studies courses and permission of coordinator.

WGS 491. INDEPENDENT STUDY

1-4 sh



Graduate Programs

247

Degrees and Major Fields

Master of Business Administration (MBA)

Master of Education (M.Ed. in Elementary Education or Special Education)

Master of Physical Therapy (MPT)

Mission

Through its graduate programs, Elon College gives students the opportunity to acquire a high level of competence in their fields of interest and to gain significant experience in the application of advanced knowledge and skills. Graduate programs offered at Elon foster a stimulating intellectual community based upon close interaction with faculty, academic engagement with peers, in and out of the classroom, and a college environment fully committed to supporting inquiry and research. Graduates from Elon's advanced degree programs are prepared to assume positions as active professionals committed to continued learning and to the advancement of their professions.

Elon College offers graduate programs that are:

- Connected to the college's undergraduate programs, building on existing strengths and contributing to the enhancement of the quality of the undergraduate experience.
- Committed to the broad perspective of arts and sciences.
- Distinctive, excellent in overall quality and responsive to the needs of society.
- Committed to the intellectual growth and development of each student.
- Supportive of both faculty and student scholarly activity and its dissemination to the appropriate community of scholars and practitioners.

Master of Business Administration (MBA)

Elon College offers an opportunity for individuals to earn a Master of Business Administration (MBA) degree while continuing their careers. All courses are taught in the evenings during the regular fall, winter, spring and summer academic periods.

Admissions Policy

The MBA admissions policy encourages the selection of students who have demonstrated both academic ability and managerial promise. Each application is considered in light of all completed academic work, the Graduate Management Admission Test (GMAT) score, evidence of leadership and motivation, professional experience and letters of recommendation.

Undergraduates are not permitted to register for graduate courses.

For an application, Graduate Catalog or more information about the MBA program and specific admissions requirements, please contact the Elon College Office of Graduate Admissions or visit www.elon.edu/graduate.

Basic Requirements

- Bachelor's degree from an accredited institution
- Strong undergraduate record
- Official transcripts of all undergraduate and graduate courses of study
- Test score from GMAT taken within last five years
- International students must submit TOEFL scores unless English is the student's native language or the language of instruction
- Three written professional references
- Two years of professional experience

Degree Requirements

- Minimum cumulative grade point average of 3.0 in all graduate courses
- Completion of 39 graduate hours (13 courses) within six calendar years
- Application for graduation by the dates published by the Registrar
- Completion of the last six semester hours at Elon College
- Participation in Commencement exercises

Program of Study

MBA 500 Environmental Change and Organizational Adaptation	3 sh
MBA 510 Enhancing Leadership Effectiveness	3 sh
MBA 515 Managerial Economics	3 sh
MBA 520 Quantitative Decision Making	3 sh
MBA 525 Marketing Management	3 sh
MBA 530 Managerial Accounting	3 sh
MBA 535 Process Management and Information Technology	3 sh
MBA 540 Financial Management	3 sh

MBA 545 Strategic Market Positioning	3 sh
MBA 550 Advanced Financial Strategies	3 sh
MBA 555 Strategy Implementation: Leading the Change Process	3 sh
MBA 560 Leading Organizations in the 21st Century	3 sh
MBA 565 International Business	3 sh

Program Guidelines

- Required undergraduate foundation courses in accounting, economics and organizational behavior/management
- Demonstrated proficiency in computer skills and mathematics
- Students may enter the program by taking MBA 500 in either August or January.
- MBA 555, the capstone course, must be taken in the student's semester of graduation

249

Course Schedules

MBA courses are scheduled from 6:00-8:50 p.m., Monday through Thursday. Each class meets one night a week during the regular semester.

Master of Education (M.Ed.)

Elon College offers an opportunity for individuals to earn a Master of Education (M.Ed.) degree, with specialty areas in Elementary Education or Special Education (Specific Learning Disabilities or Behavioral/Emotional Disabilities), while continuing their careers. All courses are taught in the evenings during fall and spring semesters and in the daytime during summer school.

Admissions Policy

The M.Ed. admissions policy is designed to select students who have demonstrated both academic competence and teaching ability. Each application is considered in light of all completed academic work, scores from either the Graduate Record Examinations (GRE) or the Miller Analogies Test (MAT), evidence of leadership and motivation, possession of a recognized teaching license and letters of recommendation.

Undergraduates are not permitted to register for graduate courses.

For an application, Graduate Catalog or more information about the M.Ed. program, please contact the Elon College Office of Graduate Admissions or visit www.elon.edu/graduate.

Basic Requirements

- Bachelor's degree from an institution accredited by the Southern Association of Colleges and Schools or a comparable accrediting association
- Overall 2.5 GPA for undergraduate work or 3.0 GPA for the last 60 semester hours or in the major courses
- Official transcripts of all undergraduate and graduate courses of study

- Recognized teaching license or commitment to achieving licensure. Candidates must have met undergraduate requirements for a North Carolina initial license, or higher, before being recommended for graduate licensure.
- GRE or MAT score taken within last five years prior to application for admission
- Three written professional references

Degree Requirements

- Completion of courses specified under the Graduate Core Curriculum and specialty area — Elementary or Special Education
- Overall minimum cumulative grade point average of 3.0 in all graduate courses
- Completion of 33 graduate hours (elementary) or 36 graduate hours (special) within six calendar years.
- Satisfactory completion of a graduate portfolio
- NTE specialty area examination required for special education licensure
- Completion of the last six semester hours at Elon College
- Application for graduation by the dates published by the Registrar
- Participation in Commencement exercises except for those completing requirements during summer school

Programs of Study

All students are required to complete the Graduate Core Curriculum.

Advanced Track (for noneducation majors)

Elon's "advanced track" program is designed for professionals with undergraduate degrees in fields other than education who want initial and advanced licensure in Elementary Education. Students may elect to obtain licensure through an option that combines undergraduate and a limited number of graduate courses to satisfy professional requirements for initial licensure. After gaining experience in the field, students continue in the program to earn the advanced master's degree.

Elementary Education (K-6)

In addition to the Graduate Core Curriculum, students are required to complete the Elementary Education core of Education 511, 521, 530, 532, 550 and two courses from: Education 522, 523, 540, 560, 591; Mathematics 521; Science 565.

Special Education (K-12)

In addition to the Graduate Core Curriculum, students are required to complete the Special Education core of Education 535, 542, 543, 545, 547 or 548, 580 and two courses from Education 523, 530, 532, 534, 544, 546.

Students select either the area of Specific Learning Disabilities or Behavioral/Emotional Disabilities as their major. Students majoring in Specific Learning Disabilities are required to complete Education 547. Students majoring in Behavioral/Emotional Disabilities are required to complete Education 548.

Graduate Core Curriculum—Elementary and Special Education

EDU 515	Educational Testing and Measurement	3 sh
EDU 516	Educational Research	3 sh
EDU 561	Advanced Master's Seminar	3 sh
PSY 515	Advanced Psychological Theory in the Classroom	3 sh

Elementary Education Core:

EDU 511	Advanced Foundational Studies	3 sh
EDU 521	Survey of Elementary Curriculum: Development and Content	3 sh
EDU 530	Principles of Diagnostic Instruction	3 sh
EDU 532	Collaboration and Consultation Skills	3 sh
EDU 550	Meeting Special Learning Needs of Children	3 sh

251

Elementary Education Electives: *Select two courses*

EDU 522	Communication Skills in the Elementary School	3 sh
EDU 523	Instructional Technologies in the Classroom	3 sh
EDU 540	Literature for Children and Youth: Analysis and Application	3 sh
EDU 560	Trends in Teaching Social Studies (K-6)	3 sh
EDU 591	Independent Study	3 sh
MTH 521	Math Concepts for the Elementary School Teacher	3 sh
SCI 565	Integrated Science for Elementary and Middle Grade Teachers	3 sh

Special Education Core:

EDU 535	Assessment Methods, Use and Interpretation	3 sh
EDU 542	Historical, Legal, Educational Aspects of Special Education	3 sh
EDU 543	Specialized Instructional Methods and Materials	3 sh
EDU 545	Planning and Managing the Learning Environment	3 sh
EDU 580	Internship	3 sh

Specific Learning Disabilities Major: *Specialty Course*

EDU 547	Nature and Needs of Students with Learning Disabilities	3 sh
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Behavioral/Emotional Disabilities Major: *Specialty Course*

EDU 548	Nature and Needs of Students with Behavior Disorders	3 sh
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Special Education Electives: *Select two courses:*

EDU 523	Instructional Technologies in the Classroom	3 sh
EDU 530	Principles of Diagnostic Instruction	3 sh
EDU 532	Collaboration and Consultation Skills	3 sh
EDU 534	Curriculum Development and Design in Special Education	3 sh
EDU 544	Academic Support Skills for Exceptional Children and Youth	3 sh
EDU 546	Advanced Behavior Management	3 sh

Course Load

Students may enroll in a maximum of three courses during fall and spring semesters. It is recommended that students who are employed full-time register for

no more than one course during a semester. Courses are scheduled in two sessions during the summer months.

Six calendar years are allowed for completion of the M.Ed. program.

Course Schedules

During the fall and spring semesters classes are scheduled Monday through Thursday, 5:30–8:30 p.m. Each class meets one evening per week.

Summer school is planned to accommodate the working schedules of public school teachers; daytime classes are scheduled.

252

Master of Physical Therapy (MPT)

Accredited by the APTA, the Department of Physical Therapy Education offers an entry-level Master of Physical Therapy (MPT) degree which prepares students for multifaceted roles in the physical therapy profession. Elon's unique modular curriculum is designed to integrate and coordinate courses and modules in a sequence that enhances learning. Graduates will be highly skilled clinical generalists able to provide services throughout the broad spectrum of health care.

Admissions Policy

The MPT admissions policy supports the selection of students who have demonstrated academic competence (overall and in natural science foundation courses), leadership ability and personal integrity. Each application is considered in light of all academic undergraduate work, Graduate Record Examinations (GRE) scores, volunteer or work experience in the profession and three references.

For an application packet, listing of prerequisite courses or more information about the MPT program and specific admissions requirements, please contact the Elon College Office of Graduate Admissions or visit www.elon.edu/graduate.

Basic Requirements

- Bachelor's degree in a field other than physical therapy, from a regionally accredited institution or date when degree is expected (degree must be completed before matriculation in MPT program)
- Minimum GPA of 3.0 in both cumulative undergraduate and sciences are given admissions priority
- Official transcripts of all previous college courses and degrees
- Test score from GRE taken within last five years
- Personal statement
- Knowledge of physical therapy profession through work or volunteer experience
- Three written references
- Preadmission interview on campus if invited
- International students must submit TOEFL scores unless English is the student's native language or the language of instruction; English translations of transcripts and grading system explanations required through World Education Services or Josef Silny & Associates, Inc.

Degree Requirements

- Minimum cumulative grade point average of 3.0
- Completion of 16 modules and 155 total credit hours
- Application for graduation by the dates published by the Registrar
- Participation in Commencement exercises

Program of Study

Year I	<i>Credit Hours</i>	253
MPT 500 Psychosocial Aspects of Health Care	3	
MPT 501 Today's Health Care Systems	2	
MPT 502 Introduction to Research	1	
MPT 503 Anatomy I	5	
MPT 504 Anatomy II	5	
MPT 505 Kinesiology and Pathokinesiology I	4	
MPT 506 Kinesiology and Pathokinesiology II	4	
MPT 507 Physical Therapy Science I	2	
MPT 508 Physical Therapy Science II	3	
MPT 509 Physical Therapy Science III	3	
MPT 510 Human Life Sequences	2	
MPT 511 Physiology and Pathophysiology I	5	
MPT 512 Physiology and Pathophysiology II	5	
MPT 513 Research Design I	2	
MPT 514 Preparation for Clinical Practicum I	1	
MPT 515 Preparation for Clinical Practicum II	1	
MPT 518 Clinical Practicum I	2	
MPT 519 Clinical Practicum II	2	
MPT 522 Foundations of Musculoskeletal Intervention	3	
MPT 523 Evaluation/Treatment of Upper Quarter Musculoskeletal Problems	6	
MPT 524 Evaluation/Treatment of Lower Quarter Musculoskeletal Problems	7	
MPT 525 Research Design II	2	
MPT 530 Principles of Teaching and Learning	2	
Year II		
MPT 516 Preparation for Clinical Practicum III	.5	
MPT 517 Preparation for Clinical Practicum IV	.5	
MPT 520 Clinical Practicum III	12	
MPT 526 Neuroscience	8	
MPT 528 Evaluation & Treatment of Neurological Disorders	10	
MPT 529 Principles of Electrotherapeutic Evaluation and Treatment	3	

254

		<i>Credit Hours</i>
MPT 531	Physiology of Exercise	4
MPT 532	Evaluation & Treatment of Cardiopulmonary System	4
MPT 533	Role of Physical Therapy in Clinical Medicine Problems	3
MPT 534	Prevention and Management of Problems in the Aging Adult	4
MPT 535	Prevention & Management of Problems in the Pediatric Population	4
MPT 536	Principles of Administration and Management	3
MPT 537	Rehabilitation: The Neuro-Musculoskeletal and Cardiopulmonary Systems	7
MPT 538	Prosthetics, Orthotics, and Gait	2
MPT 540	Directed Research I	1
Year III (Final Phase – 4 months)		
MPT 521	Clinical Practicum IV	12
MPT 539	Electives	4
MPT 542	Directed Research II	1

Program Guidelines

- Required undergraduate courses in biology, human anatomy, human physiology, general chemistry, physics, psychology, statistics and English composition
- Demonstrated proficiency in computer skills

Course Schedules

The full-time program begins in January and continues year-round for two years and four months. Classes are taught in modules of varying lengths.

Directory

255

Officers of the Corporation

Gail McMichael Drew, *Chair of the Board*

Noel L. Allen '69, J.D., *Vice Chair*

The Rev. G. Melvin Palmer, Ed.D.,
Chair Pro Tem

Thomas E. Powell III, M.D., *Secretary*

Gerald O. Whittington, *Treasurer*

Gerald L. Francis, Ph.D.,
Assistant Secretary and Assistant Treasurer

Leo M. Lambert, Ph.D.,
President of the College

Terms Expiring May 31, 2001

Robert T. Drakeford '86, J.D.,
Charlotte, N.C.

Gail McMichael Drew, Durham, N.C.

Allen E. Gant, Jr., Burlington, N.C.

William N.P. Herbert '68, M.D.,
Chapel Hill, N.C.

Victoria Silek Hunt, Burlington, N.C.

The Rev. G. Melvin Palmer, Ed.D.,
Greensboro, N.C.

Warren G. Rhodes, Elon College, N.C.

Mark S. Richter '99, Greenport, N.Y.

Thomas M. Tworoger, Ft. Lauderdale, Fla.

Robert A. Ward, Burlington, N.C.

Terms Expiring May 31, 2002

Noel L. Allen, J.D., Raleigh, N.C.

Barbara Day Bass '61, Richmond, Va.

Iris McEwen Coupland, Burlington, N.C.

Sherrill G. Hall '55, Greensboro, N.C.

William A. Hawks, Burlington, N.C.

Michele Skeens Hazel '78, Broad Run, Va.

Maurice N. Jennings Jr. '87,
Greensboro, N.C.

Frank R. Lyon '71, New Canaan, Conn.

Richard L. Thompson '64, Ed.D.,
Jackson, Miss.

W. Campbell Tims '00, Raleigh, N.C.

Terms Expiring May 31, 2003

Thomas E. Chandler, Burlington, N.C.

Edmund R. Gant, Burlington, N.C.

Patricia Ann Hutchings, Ph.D.,
Menlo Park, Calif.

Robert R. Lane '71, Powell, Ohio

Robert Model '67, New York, N.Y.

Thomas E. Powell III, M.D.,
Burlington, N.C.

Ann Calvin Rogers-Witte, Phoenix, Ariz.

Feliciano S. Sabates III '91, Charlotte, N.C.

Zachary T. Walker III '60, Greensboro, N.C.

Terms Expiring May 31, 2004

Wallace L. Chandler '49, Richmond, Va.

Robert E. LaRose '66, Clifton, Va.

Donald A. Lopes, Providence, R.I.

James W. Maynard, Burlington, N.C.

Bob E. McKinnon '62, Hickory, N.C.

James B. Powell, M.D., Burlington, N.C.

William H. Smith, Burlington, N.C.

Mary B. Straub '82, Great Falls, Va.

Ex Officio Members

Jean Copeland, *President of the Southern Conference*

The Rev. Herman Haller, D.Min.,
Interim Conference Minister, Southern Conference

Leo M. Lambert, Ph.D.,
President of the College

256

Trustees Emeritus

Walter L. Floyd, M.D.

Roger Gant Jr.

The Hon. Elmon T. Gray

Lula Browne Helvenston '45

R. Leroy Howell '51, D.D.S.

Maurice N. Jennings Sr. '57

Ernest A. Koury Sr.

W.E. Love Jr. '48

Woodrow W. Piland '37

Janie Crumpton Evans Reece

William D. Rippy '43, M.D.

Samuel E. Scott, M.D.

J. Harold Smith

Royall H. Spence Jr. '42

The Rev. W. Millard Stevens '36

A.G. Thompson '41

C. Max Ward '49

FACULTY, 1999-00

Yousef H. Abbas, 1999

Assistant Professor of Mathematics
B.Sc., University of Jordan; M.A.,
Ph.D., University of South Florida

Jimmie D. Agnew, 1985

Associate Professor of Science Education
B.A., George Washington University;
M.S.S.T., Ph.D., The American
University

Mark R. Albertson, 1978

Assistant Professor; Registrar
B.B.A., Fort Lauderdale University

James T. Allis, Jr., 1995

Assistant Professor of Mathematics
B.S., SUNY College of Arts and Sciences
at Potsdam; M.A., Ph.D., University of
South Carolina

Janna Q. Anderson, 1999

*Adjunct Instructor in Journalism and
Communications*
B.S., Moorhead State University

Robert G. Anderson Jr., 1984

Associate Professor of Political Science
B.A., St. Andrews Presbyterian
College; M.A., Ph.D. candidate, The
American University

Addison Williams Andrews, 1997

Assistant Professor of Physical Therapy
B.S., M.S., University of North
Carolina
at Chapel Hill

Andrew J. Angyal, 1976

Professor of English
B.A., Queens College, CUNY;
M.A., Yale University; Ph.D., Duke
University

Patrick S. Apke, 1996

*Instructor in HPLHP; Assistant Football
Coach*
B.S., Carson-Newman; M.S.,
Louisiana Tech University

Thomas E. Arcaro, 1985

Professor of Sociology
B.A., Ohio State University; M.S.,
Ph.D., Purdue University

Martin H. Baker, 1980

*Assistant Professor of Sports Medicine;
Head Athletic Trainer*
B.S., SUNY at Brockport; M.S.,
Indiana State University

Gary B. Bailey, 1994

Assistant Professor of Human Services
B.A., Appalachian State University;
M.S.W., University of North
Carolina at Chapel Hill; Graduate
Studies, University of North
Carolina at Greensboro

Stephen P. Bailey, 1998

Assistant Professor of Physical Therapy
B.S., Medical University of South
Carolina; B.A., Western Maryland
College; M.A., Wake Forest University;
Ph.D., University of South Carolina

William H. Barbee, 1970

Associate Professor of Mathematics
B.S., Wofford College; M.Math.,
University of Tennessee; Graduate
Studies, University of Georgia

James L. Barbour, 1990

Associate Professor of Economics;
Chair, Department of Economics
B.B.A., M.A., Ph.D., University of
Kentucky

Laurence A. Basirico, 1983

Professor of Sociology;
Chair, Department of Sociology
B.A., Hofstra University; M.A., Ph.D.,
SUNY-Stony Brook

Patricia Bason, 1996

Adjunct Assistant Professor of Education
B.S., Elon College;
M.A.T. and Ed.D., University of
North Carolina at Chapel Hill

Grace S. Bass, 1994

Associate Professor of Education
B.A., Salem College; M.Ed., Memphis
State University; Ed.D., Arizona State
University

T. Nim Batchelor, 1990

Associate Professor of Philosophy
B.A., Texas Tech University;
M.A., Ph.D., University of Nebraska

Robert C. Baxter, 1959

Associate Professor of Business Law;
College Attorney
A.B., Elon College;
J.D., Duke University

Glenda W. Beamon, 1989

Associate Professor of Education;
Chair, Department of Education
B.A., M.Ed., Ed.D., University of
North Carolina at Greensboro

257

Dale J. Becherer, 1995

Assistant Professor of Theatre
B.A., University of California, Los Angeles;
M.F.A., University of Illinois
Champaign/Urbana

Barry B. Beedle, 1978

*Professor of Physical Education/Sports
Medicine*
B.S., M.S., Mississippi State University;
Ed.D., University of Mississippi

Jack E. Bernhardt, 1999

Instructor in Sociology
B.A., Kent State; M.Phil., Columbia
University

Jonathan W. Berry, 1996

Assistant Professor of Computing Sciences
B.A., The American University;
M.S., Ph.D., Rensselaer Polytechnic
Institute

Helen M. Binkley, 1996

Assistant Professor of Sports Medicine;
Assistant Athletic Trainer
B.S., M.S., University of Delaware;
Ph.D., Temple University

James S. Bissett, 1990

Associate Professor of History
B.A., Oklahoma Baptist University;
M.A., Western Carolina University;
Ph.D., Duke University

Robert G. Blake, 1968

William S. Long Professor of English
A.B., Harvard University; M.A., Ph.D.,
Duke University

R. Lamar Bland, 1967

Professor of English

B.A., Wake Forest University;
M.A., University of North Carolina;
Ph.D., University of North Carolina
at Greensboro

Anne Bolin, 1988

Professor of Sociology

B.A., M.A., Ph.D., University of
Colorado, Boulder

Constance L. Book, 1999

*Assistant Professor of Journalism and
Communications*

B.A., Louisiana State University;
M.Ed., Northwestern State University;
Ph.D., University of Georgia at Athens

K. Wilhelmina Boyd, 1987

Associate Professor of English

B.A., Bennett College; M.A., North
Carolina Central University

Kevin B. Boyle, 1992

Associate Professor of English

B.A., University of Pennsylvania; M.A.,
Boston University; M.F.A., Ph.D.,
University of Iowa

Kyndall Lane Boyle, 1998

Assistant Professor of Physical Therapy

B.S., University of New Mexico;
M.S., University of North Carolina at
Chapel Hill

Barry A. Bradberry, 1975

*Assistant Professor; Associate Dean
of Admissions and Financial Planning*

A.A., Chowan College; A.B., Elon
College; M.Ed., University of North
Carolina at Greensboro

David A. Bragg, 1970

Professor of Music;

Chair, Department of Music

B.S., Concord College; M.M.E., Ph.D.,
Florida State University

Stephen E. Braye, 1989

Associate Professor of English

B.S., M.A. University of Nebraska
at Lincoln; Ph.D., State University of
New York at Binghamton

James O. Brown, 1994

Assistant Professor of History

B.A., Ph.D., University of Minnesota

Janie P. Brown, 1967

Watts-Thompson Professor;

Professor of Physical Education

B.S., Wake Forest University; M.A., East
Carolina University; Ed.D., University of
North Carolina at Greensboro

Chalmers S. Brumbaugh, 1986

Professor of Political Science;

*Chair, Department of Political Science and
Public Administration*

B.A., College of Wooster; M.A., Ph.D.,
University of Wisconsin

Pamela P. Brumbaugh, 1986

Assistant Professor;

Director of Experiential Education

B.S., College of Wooster;
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ELON COLLEGE
Founders Day Lecture

3



TUESDAY, MARCH 14, 2000, 4 P.M.

JOHN A. AND IRIS McEWEN McCrARY THEATRE
FAITH ROCKEFELLER MODEL CENTER FOR THE ARTS

WELCOME

JOAN R. GUNDERSEN
DEAN OF SOCIAL SCIENCES

INTRODUCTION OF THE SPEAKER

JAMES S. BISSETT
ASSOCIATE PROFESSOR OF HISTORY

SHARED MEMORIES:
THE LESSONS OF HISTORY

DORIS KEARNS GOODWIN



On March 11, 1889, Elon College was chartered by the North Carolina legislature. In celebration of the 111th anniversary of its founding, Elon College is proud to have Doris Kearns Goodwin deliver this Founders Day Lecture. Other Founders Week activities include the groundbreaking for Rhodes Stadium and Evening for Honors program today and College Chapel at 9:45 a.m. Thursday, March 16, at Elon College Community Church.

DORIS KEARNS GOODWIN

Known for her probing psychological insights, historian Doris Kearns Goodwin is a distinguished speaker on politics and sports. She is also a commentator for NBC and a regular panelist on PBS's "The NewsHour with Jim Lehrer."

Dr. Goodwin has written four best-selling books: *Lyndon Johnson and The American Dream*; *The Fitzgeralds and The Kennedys*; *Wait Till Next Year: A Memoir*; and *No Ordinary Time: Franklin and Eleanor Roosevelt: The Home Front in World War II*, which won the 1995 Pulitzer Prize for history.

An expert on baseball, she was the first woman journalist to enter the Boston Red Sox locker room, and she has written many articles on baseball and politics for national publications. She also wrote the essay on Franklin Roosevelt for the book, *Character Above All*, which was published in 1977.

Dr. Goodwin received a bachelor's degree from Colby College and a doctorate from Harvard University, where she was a professor of government for 10 years. Among the courses she taught at Harvard was one on the American presidency.

Before teaching at Harvard, Dr. Goodwin was an assistant to President Lyndon B. Johnson during his last year in the White House. She later helped him prepare his memoirs. She also has been a resource for PBS documentaries about the Kennedy family and presidents Johnson and Roosevelt, and for Ken Burns' "The History of Baseball."

Dr. Goodwin has received numerous honors and awards for her work, including the Charles Frankel Prize given by the National Endowment for the Humanities and the Sara Josepha Hale medal.

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283

James Fred Young, A.A., B.S., M.A., Ed.D.,

Professor of Education; President Emeritus

ELON
COLLEGE



Index

285

A

Absence: 76
Academic Advising Center: 34
Academic Message: 10
Academic Program: 21
Academic Regulations: 73
Academic Standards and Withdrawal: 79
 Academic Standing: 79
 Dismissal: 79
 Probation: 79
 Suspension: 79
 Withdrawal: 79
Academic Support Services: 34
Accounting and Finance: 85
 Accounting Courses: 87
 Certification as a CPA: 86
 Finance Courses: 88
Accreditation: 10
Admissions: 49
 Early Decision: 50, 52
 Freshman Admission Notification: 50
 Freshman Admission Requirements: 50
 International Student Admission: 51
 Priority Deadline: 49
 Residency Requirement: 52
Advanced Placement Examination: 53
African/African-American Studies: 89
Anthropology:
 See Sociology and Anthropology
Application Procedures: 49
Art: 90.
 See also Fine Arts
 Ceramics: 91
 Digital Art: 91
 Painting: 91
 Photography: 91

Asian/Pacific Studies: 93

Associations: 10
Attendance: 76
Auditing Courses: 74

B

Bachelor's Degree Requirements: 82
Belk Library: 9, 18, 35
 Computer resources: 18
 Library collection: 18
 Media Services: 18
 Writing Center: 18
Biology: 95
Business Administration: 102
 Finance: 103
 International Management: 103
 Management: 103
 Management Information Systems: 103
 Marketing: 103
Business Administration, Master of: 8, 21, 248
 Admissions Policy: 248
 Basic Requirements: 248
 Course Schedules: 249
 Degree Requirements: 248
 Program Guidelines: 249
 Program of Study: 248

C

Calendar: 5, 10
 semester: 10
Campus: 13
Campus Recreation: 45
Career Center: 33
 Career Planning: 33
 Employment Services: 33
 Internships or Co-ops: 34

Carol Grotnes Belk Library:

See Belk Library

Chemistry: 107

See also Engineering

Classical Studies: 112

Classification: 73

College of Arts and Sciences: 85

College-Level Examination Program: 53

Communications

See Journalism and Communications

Communications Media: 45

Commuter Students: 38

Computer Facilities: 35

Computer Resources: 18, 35

Computing Sciences: 85, 113

Computer Information Systems: 114

Computer Science: 115

Cooperative Education: 116

Correspondence, Communication: 3

Counseling, Career: 33

Counseling, Personal: 37

Course Load: 73

Courses: 85

Credit by Examination: 74

Criminal Justice: 117

Cultural Life: 40

D

Dalton L. McMichael Sr. Science Center

See McMichael Science Center

Dance: 118

Degree Requirements: 81

Degrees: 21, 81, 247

Bachelor of Arts: 21, 81

Bachelor of Fine Arts: 21, 81

Bachelor of Science: 21, 81

Master of Business Administration: 21

Master of Education: 21

Master of Physical Therapy: 21

Department Examination: 53

Directory: 255

Administrative Officers and Staff: 272

Faculty 1999-2000: 256

Officers of the Corporation: 255

Disabilities Services: 35

Drama.

See Theatre Arts

Dropping Courses: 74

Dual-degree Engineering: 61

See also Engineering

E

Early Decision: 49, 50

Economics: 121

Education: 8, 126

See also Social Science Education

Communication Skills: 129

Elementary Education: 128

Interstate Certification Compact: 127

Mathematics: 130

Middle Grades Education: 129

Physical Education endorsement: 161

Science: 130

Secondary Education Licensure: 131

Social Studies: 129

Special Education: 130

Special Subject Areas: 132

Education, Master of : 249

Admissions Policy: 249

Advanced Track (for noneducation majors): 250

Basic Requirements: 249

Course Load: 251

Course Schedules: 252

Degree Requirements: 250

Elementary Education (K-6): 250

Programs of Study: 250

Special Education (K-12): 250

El Centro de Espanol: 41

Elon 101: 26

Elon Experiences: 31

Elon Volunteers!: 42

Emerging Leaders Program: 42

Endowment: 70

Engineering: 61, 135

Chemistry/Chemical Engineering: 137

Computer Science/Engineering: 137

Engineering Mathematics: 136

Engineering Physics: 136

English: 138

Creative Writing Concentration: 140

Creative Writing Minor: 141

Literature Concentration: 139

Literature Minor: 140

Professional Writing: 139

Professional Writing Minor: 141

Teacher Licensure Concentration: 140

Writing Minor: 140

Enrichment Programs: 31

Elon Experiences Transcript: 31

Internship and Co-op Opportunities: 32

Leadership Development: 31

Service Learning: 31

Undergraduate Research: 31
Enrollment: 9
Enrollment Deposit: 52
Commuter Students: 52
Refund: 52
Resident Students: 52
Environmental Studies: 148
Center for Environmental Studies: 149
Science Concentration: 149
Society and Environment Concentration:
150
Evening School: 26

F

Facilities: 14, 38.
See also Belk Library, Koury Center,
McMichael Science Center, Moseley
Center
Alamance Building: 14
Athletic Facilities: 16
Holland House: 14
McCrary Theatre: 14
Model Center for the Arts: 14
Powell Building: 15
Residence Halls: 15
Support Facilities: 17
Whitley Memorial Auditorium: 15
Faculty: 9
Fall Convocation: 47
Family Weekend: 47
Fellows Programs: 27, 42, 49
Fellows Scholarships: 61, 62, 69
Freshmen Leadership Fellows: 62
Honors Fellows: 27, 28, 62
Isabella Cannon Leadership Fellow: 28, 42
Jefferson-Pilot Business Fellows: 29, 62
Journalism and Communications Fellows:
30, 62
North Carolina Teaching Fellows: 27, 61
Science Fellows: 30, 62
Film Studies.
See Journalism/Communication
Finances: 49
Book Expenses: 54
Expenses for the 2000-2001: 55
General Costs: 54
Graduate Programs: 56
Payment Options: 64
Room Change Charge: 54
The Meal Plan: 54
Tuition, costs covered by: 54

Financial Aid: 58
Assistance Based on Need: 59
Assistance Not Based on Need: 60
Campus Employment: 63
Elon College Programs: 60
Federal Programs: 59
How to Apply: 63
Loans: 59, 63
North Carolina Legislative
Tuition Grant: 60
State Programs: 59

Fine Arts: 151

Fitness Facilities: 46

Foreign Languages: 152

Chinese: 153
French: 152, 153
German: 154
Greek: 155
Japanese: 155
Spanish: 152, 155

G

General Studies: 9, 22, 157

Advanced Studies: 23
Experiential Learning: 23
First-Year Core: 22
Global Experience: 22
Global Studies: 174
Liberal Studies: 23
Regional Concentration: 175
Study Abroad: 174

Geography: 159

Global Experience: 22
See General Studies
Grades and Reports: 76
GPA: 77
Grade Reports: 77
Grading System: 76
Graduation With Honors: 78
President's and Dean's Lists: 78
Quality Points: 76
Student Educational Records: 78
Student Records: 78
Transfer Course Credit: 78

Greek Organizations: 44

Greek Week: 47

H

Health Education: 160

Health Service: 37
High School Credit Bank Program: 26

History: 162

History, College: 8
 Homecoming: 47
 Honor Code: 76
 Honor Societies: 42
 Honors Program: 27, 28, 78
 Housing: 38

Residence Halls: 38
 Vacation Closings: 38

Human Services: 168

I

Independent Major: 172
 Independent Study: 75
 Intercollegiate Athletics: 47
 International Baccalaureate: 53
International Studies: 173
 International Studies, Isabella Cannon
 Centre for: 32
 Internships: 32
 Intramurals: 46
 Isabella Cannon Leadership Fellows: 42

J

Journalism and Communications: 177
 Broadcast Emphasis: 177
 Communications with Corporate
 Emphasis: 178
 Communications with Film Emphasis:
 178
 Film History and Theory: 178
 Judicial System: 39

K

Kernodle Center for Service Learning: 42
 Koury Center: 13, 16

L

Leaders for the Twenty-First Century
 Programs: 27
See also Financial Aid
 Honors Program: 27
 Isabella Cannon Leadership
 Fellows: 28, 42
 Jefferson-Pilot Business Fellows
 Program: 29
 Journalism and Communications
 Fellows: 30
 NC Teaching Fellows Program: 27
 Scholars in the Arts and Humanities: 31
 Science Fellows: 30
 Social Science Scholars Program: 30
 Leadership Development: 42

Leadership Fellows

See Isabella Cannon Leadership Fellows

Leisure/Sport Management: 184

Liberal Arts Program: 9

Location: 13

Love School of Business: 23, 29, 85, 102, 121

M

Major: 21, 83

Mathematics: 186

McMichael Science Center: 9, 13, 14

Meal Plan: 54

Media and Television Services: 35

Medical Technology: 95, 97, 191

Military: 33, 54

Credit for Veterans: 33, 54

ROTC: 33, 62

Military Science: 191

Minor: 22, 83

Minority Affairs: 41

African American Resource Room: 41

Mission: 7

Model Center: 35

Moseley Center: 9, 13, 18, 38, 40

Music: 44, 194

Jazz Studies: 196

Music Education: 194

Music Performance: 195

Music Theatre: 199

N

New Student Convocation: 47

Non-Violence Studies: 201

O

Orientation: 39

Outdoor Programs: 46

Overload: 75

P

Peer Tutoring: 26

Philosophy: 202

Physical Education: 205

See also Education

Health Education endorsement

See Education

Physical Therapy, Master of: 8, 57, 252

Admissions Policy: 252

Basic Requirements: 252

Course Schedules: 254

Degree Requirements: 253

Program Guidelines: 254
Program of Study: 253
Physics: 210
Political Science: 213
Preprofessional Programs: 24
 Predental: 25
 Prelaw: 24
 Premedical: 25
 Preministerial: 25
Priority Admissions Deadline: 49
Professional Programs: 24
Professional Writing Studies: 217
Psychology: 218
Public Administration: 222
R
Recreation: 46
Refund: 57
Registration: 73, 74
Religious Life: 41
Religious Studies: 224
Repeat Courses: 75
Research: 32, 75
Room Reservation: 38
 Continuing Resident Students: 38
ROTC: 62
S
Safety and Police: 39
Scholarships: 25, 59, 60, 61, 62, 64, 69
 Athletics: 69
 See also Fellows Programs
School of Communications: 85
School of Education: 85
Science Education: 227
 Biology Concentration: 227, 229
 Chemistry Concentration: 228, 229
 Comprehensive Certification: 227
 Physics Concentration: 228, 230
 Secondary Science Certification: 229
Security Deposits: 38
Service Learning: 42
Social Science: 230

Social Science Education: 231
Sociology and Anthropology: 232
Special Students: 53
Sports Medicine: 238
 Athletic Training Track: 239
 Exercise/Sports Science Track: 239
Student Government Association: 18, 39, 54
Student Life: 37, 38
Student Organizations: 44
Student Undergraduate Research Forum: 33
Student Union Board: 18, 40
Students: 9
Study Abroad: 32, 174
Summer School: 10, 58

T

Theatre Arts: 242
 Design & Production Track: 243
 Performance Track: 242
Transfer Admission: 51
Transfer Credit: 51
Transitional Program: 26
Travel Information: 19
Tuition: 54

U

United Church of Christ: 8, 41, 61, 70

V

Visitor Information: 19

W

Who's Who: 45
Winter Term: 58
Withdrawal: 58
Women's Studies/Gender Studies: 245
Writing Program: 26







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